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PACIFIC FISHERMAN

Vital Points About Fishing Today . . p1

How Clipper Takes Role of Seiner . p17

Power Blocks Like Plums—

Six of them hang from the boom points of seven seiners as they ship their gear at purse seine pier, San Pedro. In the foreground a seiner takes her net from the mountain of nylon web and plastic floats. In the lower right, discarded corks, replaced by the plastic product.

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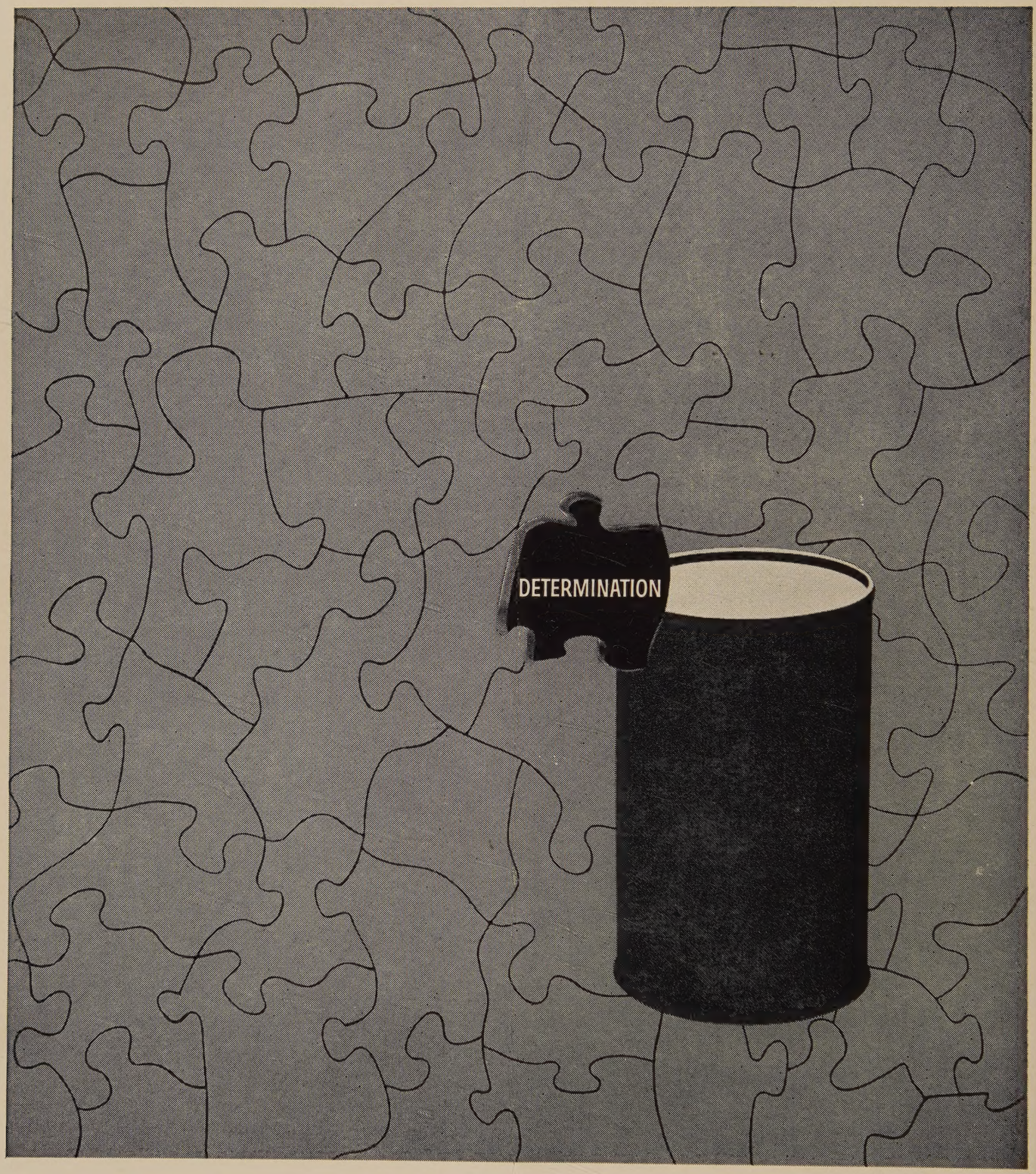

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Our Fifty-Seventh Year— **MARCH, 1959** Vol. 57 No. 4

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VITAL POINTS
in fisheries developments
TODAY

● Fishing operations of 1959 open on a flooding tide of significant events and economic conditions.

These range from Alaska's advent as a new state, intent upon the administration of its fishery resources along the lines Alaskans think soundest, to the implications behind the all-time record production of the Canadian fisheries, with their marked contrast to those of neighboring Southeast Alaska.

Today sees a new shrimp industry rising on the Pacific, and America's richest fishing business—tuna—at new peaks of productivity.

The Pacific fisheries are full of significance this Spring.

Biggest Salmon Cannery Deal

● Largest transaction in the 94-year history of salmon canning came in mid-February with the purchase by Columbia River Packers Association, Inc., and Wards Cove Packing Co. of the salmon facilities of Libby- McNeill & Libby, whose pack usually has been second in size in the American industry.

Thus two successful and aggressive companies, exclusively devoted to fish packing, reaffirm their confidence in the future of Alaska fisheries under Alaska administration.

This is one of the most significant of the many points manifest as 1959 operations open.

Castle & Cooke Diversifies

● Related indirectly to the Libby-Wards Cove-C.R.P.A. transaction was another February development affecting Columbia River Packers Association, Inc.

Castle & Cooke, Hawaiian factors and traders, extended their position in the Columbia River concern to majority control by acquiring further stock from Transamerica Corporation.

This investment extension is in line with Castle & Cooke's diversification program on the American Mainland. Addition of the large Alaskan interests of the C.R.P.A. to the holdings of this Hawaiian house has some interesting implications as Alaska enters into statehood and Hawaii approaches it.

U. S. and Canada Talk Fish March 25

● Problems concerning salmon fisheries in boundary waters of British Columbia and the States of Washington and Alaska, and also in Johnstone Strait, will be discussed at a meeting March 25. It will be attended by representatives of the United States and Canadian governments, state officials, and industry representatives.

This meeting was provided for two years ago, and was originally designed to discuss the proper location of the seaword limit for salmon fishing in waters along the boundary between British Columbia and Washington; and particularly in the light of research conducted during the two years since the Pink Salmon

VITAL POINTS in fisheries developments today . . .

Protocol to the International Salmon Treaty was approved for ratification.

Other items added to the agenda are (1) consideration of the status of Fraser River Sockeye and Pink salmon runs passing through Canadian waters in Johnstone Strait; and (2) the fishing off Dall Island, Alaska, and seaward extremeities fo Southeast Alaska, of runs of fish apparently bound for the Skeena and other Northern British Columbia waters.

Fast Tuna Pace Quickens Further

● Astnoishing pace of tuna canning, which in 1958 carried American production to 14,297,000 cases, was more than maintained in the first two months of 1959, when deliveries to California canneries ran approximately 5% above those of the same period in the record year previous.

The demand for canned tuna, which accounted for an apparent consumption of 16,000,000 cases—domestic production plus canned imports—in 1958, was well maintained during the first two months of the current year, with the Lenten trade in tuna exceptionally good.

Tuna Clipper Building Is Maintained

● Steady construction of ultra-modern tuna clippers, costing an average of $550,000 each, was reported in February by National Steel & Shipbuilding Co., San Diego, which built three steel clippers in 1958 and currently has two under construction.

In a statement in February, M. F. Fillius Jr., vice president, said the company expected to build additional tuna vessels in 1959 after the two under construction are off the ways.

B. C. 1959 Fishery Value 100 Million

● British Columbia had its best-ever fishing season in 1958 with the market value of its pack exceeding $100 million.

The Province's salmon pack exceeded 2 million cases, with about half of it Sockeye. This gave the most valuable salmon pack in the history of Canada.

Canadian Herring Catch Sets Record

● Beside the all-time top in salmon value, British Columbia has racked-up a new record in herring.

At time of writing, with fishing continuing, the herring catch in British Columbia during the current season was 208,000 tons, a figure never before attained in the Province in the same period.

Alaska State Control Coming Close

● Close observers are inclined to believe that Alaska will secure control of its fisheries by the opening of the 1960 season.

Under the Statehood Act it will not be possible for the state to achieve full control in the 1959 season, but it is obvious that the Fish and Wildlife Service is moving toward relinquishment.

What Will Tomorrow's Vessels Be?

● That many fishing vessels will need to be built to compensate for the eventual loss of the Alaska traps' productivity is accepted as obvious. Alaska packers have estimated that the cost of these new vessels will run from $25 to $35.7 million.

While much interest already has been manifest, Pacific boat builders generally find fishermen inclined in the matter of size, type and equipment which the state will permit in its coastal fisheries.

For example, at presstime there was a strong drive in the Alaska legislature to prohibit the use of drum seines in the state's fisheries when administrative control is surrendered by the Department of Interior.

While drum seines are identical with normal purse seines in all respects save that they are hauled aboard by mechanical means, with some saving in the number of men required in the crew, marked antipathy against the use of this form of seine boat has built up in some parts of Alaska.

The matter of size of fishing vessels also is a matter of controversy, with much pressure to lift the "Alaska limit" which now restricts vessels used in salmon fisheries of most of Alaska to a maximum overall length of about 57 ft.

1959 Trap Picture Is Uncertain

● No conclusions were possible at presstime as to the probable degree of Alaska salmon trap operation in 1959.

Although the trap operators had made a strong plea before Secretary of the Interior Seaton for permission to continue fishing with this gear, there was much doubt that the petition would be available; or that many traps would be fished even if legal sanction for them could be won in the courts.

Pacific Shrimp Canning Active

● Spectacular growth of Pacific shrimp canning continues strong this spring, with excellent market demand for the "Ocean Pink" shrimp in several size classes.

At present there are 12 shrimp canneries in operation or preparing to run in Oregon, Washington and Alaska. These plants are all being served by peeling machines which remove the shells from the raw shrimp.

In British Columbia there is also active development of shrimping, but it is believed to be altogether concerned with the frozen product rather than the canned article.

Some growing pains are being experienced by the industry, generally in the fishing department, where fishermen are finding that experience is necessary to fix the seasonal movements of the shrimp. With supply thus somewhat uncertain, buying price of the catch also presents a problem.

Crab Price Moves Up Smoothly

● February demand of Pacific Northwest crabbers for a 2c increase to 14c in the ocean-run price of crabs was met by the buyers without a loss of fishing time.

This willingness to risk so high a buying price evidently stemmed from the strong demand, backed by limited landings, but the crabs of the finest quality.

A new package of crabmeat in a 3¾ oz. flat tin appeared on the market this spring, and apparently is meeting with good market acceptance.

Conversion of Clippers to Seiners

● Trend toward conversion of tuna clippers to seiners appears to be continuing—and even increasing—in Southern California.

This evidently results from the fact that in 1958 the seiners were astonishingly successful, with man shares running as high as $20,000 per crewman, and none under $7,000.

Canned Salmon Market Is Strong

● Strength characterized the canned salmon market at the end of February, when the Lenten stimulus had largely spent itself so far as the primary market is concerned. No items appeared to be onerous, and there was some tendency for prices to move up during the first days of March.

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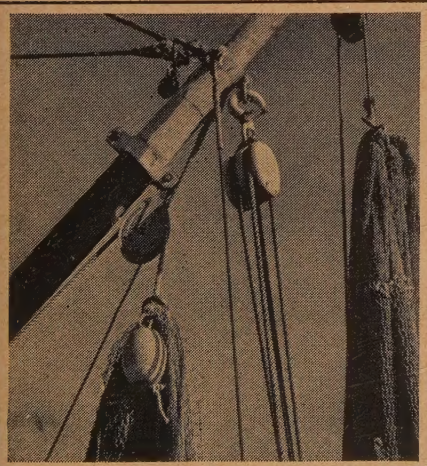

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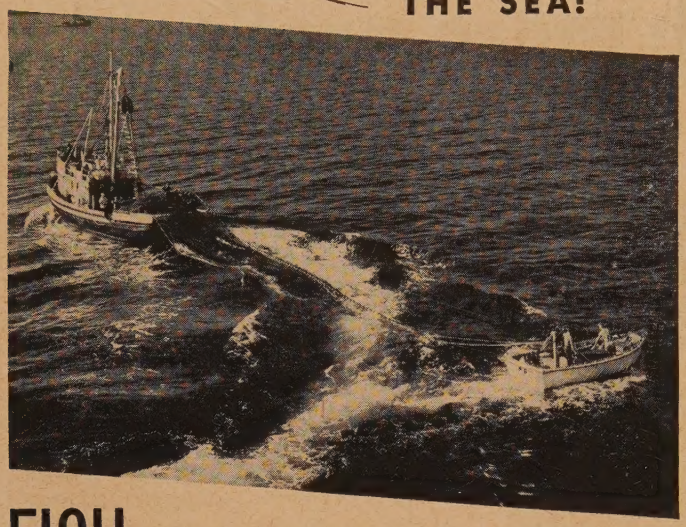

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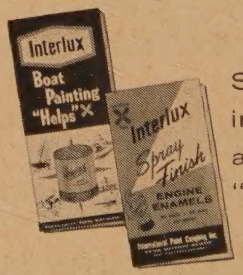

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PACIFIC FISHERMAN

One of a series of advertisements prepared by THE ASSOCIATED BUSINESS PUBLICATIONS

Canned TUNA "Extra"
CANNED FOODS MERCHANDISER DIGEST • MARCH 1958 • CONTINENTAL CAN COMPANY, 100 E. 42nd ST., NEW YORK 17, N. Y.
TUNA–TOPS IN SALES
BACKED BY YEAR-ROUND PROMOTION
One of the great food stories of the past decade has been the spectacular growth of canned tuna. In a period of only ten years, sales of tuna have more than doubled. Tuna is a staple food today, with annual sales of $175,000,000!
According to the Super Valu study conducted by "Progressive Grocer" magazine, canned tuna brings in a healthy gross margin of 19.2 per cent!
In the Foodtown survey, also conducted by "Progressive Grocer", canned tuna produced a gross profit of $4.47 per square foot of shelf space, compared to an average of $3.20 for all supermarket items. With this type of volume and profit, canned tuna is one of the most attractive items the retailer can feature on his shelves.
There is no magic formula behind this tremendous increase. A year-round program of promotion and publicity by the Tuna Research Foundation provided the impetus. By creating consumer demand – through publicity in every information media – the Foundation sowed the seeds that sprouted into sales at the grocery and supermarket. By informing the homemaker of the fine nutritive qualities of tuna and showing her how to serve it in dozens of dishes, this coordinated program created new customers and increased sales by those already using the product.
SEVEN MILLION
NO FISH STORY
Frances McHale reminds us that seven million tuna will be required to fill consumer demand during Lent. February 19th-April 5th. This is traditionally one of the big selling seasons for canned tuna.
HIGH STANDING
FROZEN FISH Newsletter
FOR THE FOOD INDUSTRY
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How Continental hooks sales for fish and sea food packers

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Here are some of our recent efforts on behalf of tuna. Other fish and sea foods get similar support. Wherever you are, whatever you pack, Continental works to hook sales for you.

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NORTH PACIFIC SALMON CATCHES

1956-1958
(in millions of pounds)

1956 Country	Sockeye	Pink	Chum	Coho	Chinook	Total
Canada	21.5	29.0	27.4	25.2	13.7	116.8
U. S. A.	94.3	102.2	59.9	29.5	38.3	324.2
Japan	43.8	158.4	111.3	19.9	0.9	334.3
U. S. S. R.	12.6	159.1	170.3	9.2	2.2	353.4
Total	172.2	448.7	368.9	83.8	55.1	1,128.7
1957						
Canada	15.7	57.3	27.2	22.8	12.7	135.7
U. S. A.	67.5	71.6	68.9	26.8	30.5	265.3
Japan	93.8	214.5	98.2	2.0	0.2	408.7
U. S. S. R.	8.2	234.6	70.5	11.9	1.9	327.1
Total	185.2	578.0	264.8	63.5	45.3	1,136.8
1958						
Canada	74.1	33.9	38.1	24.7	14.5	185.3
U. S. A.	..	..	..	..	..	316.1
Japan	..	..	..	..	..	400.1
U. S. S. R.	..	..	..	..	..	160.6
Total	..	..	..	..	..	1,052.1

NOTE — Data for 1958, except for Canada, are all preliminary and partially estimated, with segregation as to species not available.

2 Nations Talk About Sensitive Fishing Line

• Suitability of the line from Bonilla Point, Vancouver Island, to Tatoosh Island, Washington, as the western limit for salmon fishing in boundary waters of the United States and Canada is the subject for a second International Conference on Coordination of Fisheries Regulations between Canada and the United States, to be held this month.

Recommendations of the American advisory committee members to the International Pacific Salmon Fisheries Commission calling for a western limit to such fishing at a Point Angeles-Williams Head line, some 55 miles inside the strait, were not acted upon by the commission because, in the words Senator Thomas Reid, its chairman, because:

"It would be presumptious for this commission to precipitate any action in advance of an official decision of the governments concerned with this problem and its solution."

• In addition, Senator Reid points out that Silver salmon, which were of primary concern to the American advisers in their recommendations, are not included in the "terms of reference" of the treaty, and thus are outside the authority and responsibility of the commission.

At the same time he made it plain that the commission's fundamental position was dictated by the fact that "the taking of Coho or Silver salmon in the Strait of Juan de Fuca has been under specific discussion and investigation by the United States and Canadian governments since February, 1957."

This investigation produced a Coordinating Committee consisting of researchers representative of the Washington State Department of Fisheries; the Department of Fisheries of Canada; the Fisheries Research Board of Canada; and the International Pacific Salmon Fisheries Commission.

Although its scientists are associated with the Coordinating Committee investigations, the Salmon Commission has deemed it presumptious for it to take action on a matter touching a species for which it has no control or responsibility, and which is being studied by a committee established for the purposed by the two national governments.

At the same time, the Salmon Commission feels its current program for conservation and rebuilding of the Pink salmon resource of treaty waters is adequate, pending report from the Coordinating Committee to the two governments. Senator Reid puts it thus:

"While awaiting the acquisition of the necessary knowledge by the investigations conducted under the auspices of the Coordinating Committee, the Salmon Commission in its opinion has established a policy of regulatory control sufficiently restrictive to provide protection to practically all, if not all, of the stocks of Pink salmon available in convention waters."

Japan Denounces Whaling Treaty Over Quota

Conditional withdrawal from the International Whaling Convention was announced by Japan on February 5. Towards the end of 1958 the Norwegian Government and early in 1959 the Netherlands Government also announced their conditional withdrawal from the Convention.

Withdrawals are to become effective on June 30, 1959, unless the nations engaged in pelagic whaling in the Antarctic do not reach agreement on a proportionate distribution of the maximum whale quota allowed by the International Whaling Commission.

Dissatisfaction among whaling countries with the quota system, which restricts the total number of whales killed in any one season, led to five-power talks in London in November 1958 when it was agreed that 20 percent of the quota should be allocated to the U.S.S.R. The balance of the quota was to be divided among Britain, Norway, Japan, and The Netherlands but those countries could not reach agreement on division.

Inter-American Tuna Commission, meeting in San Pedro in February. Seated, from the left, Eugene Bennett and Lee Payne, United States; Consul-General J. Luciano Duque, Panama; Victor Nigro, Costa Rica. Standing—Robert Jones, new U. S. member of the commission and its chairman for 1959-60; Arnie J. Suomela, commissioner, U. S. Fish and Wildlife Service; and Fernando Flores, Costa Rica.

Stepped-up Tuna Study Seeks Key to Population Structure

● Stepped-up study along proven lines of research—particularly tuna tagging —to clarify the tuna population structure in the Eastern Pacific is a primary objective of the 1960-61 research enterprise of the Inter-American Tropical Tuna Commission.

This was made plain at the commission's annual open meeting in San Pedro in February.

Dr. M. B. Schaefer, director of investigations, in his development of this research problem said, "The population structure of the tuna of the Eastern Pacific has shown itself to be a matter of great complexity, requiring intensification of existing studies and the initiation of new approaches."

Of these latter, blood-typing is to be one. This scientific tool uses the serum of blood as a means of distinguishing racial groups within a species.

● The Commission is an international group composed of representatives of the U. S., Costa Rica and Panama, and devoted to the scientific study of tuna, their home in the sea and their food. The broad purpose of the Commission's activities is to study the Pacific tuna and the bait fishes used in the fishery to give greater understanding of abundance and changes which may take place in it.

Attending last month's meeting were Commissioners Fernando Flores and Victor Nigro for Costa Rica; Eugene Bennett, San Francisco; Robert Jones, Oregon; Lee Payne, Los Angeles, and Arnie J. Suomela, commissioner, U. S. Fish and Wildlife Service, for the United States. Panama was represented by J. Luciano Duque, Consul-General in Los Angeles.

Dr. M. B. Schaefer, director of investigations, presented the technical scientific and operating picture of the commission's work. Commissioner Payne acted as chairman.

Listening to the proceedings, and taking part in them on occasion, were representatives of every segment of the industry, including major and minor canners, fishermen, boat owners, labor, suppliers, State and Federal officials, statisticians, fish and ocean scientists, and the press. Top executives of many organizations attended personally.

● The general purpose of the open meeting was to present a review of the year's work by the commission, to examine and approve a budget for 1959-60, and to discuss plans for continuing the present scientific work and undertaking new projects.

Broadly, the commission's work falls into these classes:

(1) Examining catch statistics to try to arrive at greater knowledge of the effects of fishing on the fish supply, and how best to manage fishing so as to assure a continued adequate supply.

(2) Research into the life history and habits of tuna.

(3) Tagging and recovering tagged fish, to find out where tuna migrate, how and when.

(4) Study of the ocean, its currents, temperatures, changes, and other conditions that affect the life and movements of tuna.

(5) Study of bait fish, essential to the fishery, and of the plankton and other food for the bait fish.

● Slides and discussions were presented to show some of the Commission's research in the Gulf of Nicoya, involving both tuna and bait fish. The audience was told about some of the Commission's cruises aboard commercial tuna vessels and also on vessels of other research organizations, and chartered vessels.

In the afternoon session, the gathering saw films of tuna fishing and tagging from both commercial and chartered vessels.

It was brought out repeatedly that the Commission works closely with the Scripps Institute of Oceanography, the California Department of Fish &

Game, the Peruvian Hydro-Biological Research Council, and the U. S. Bureau of Commercial Fisheries, supplementing its own findings with those of the co-operating groups.

The matter of inviting other Pacific Seaboard nations to join as members of the Inter-American Tropical Tuna Commission came up, and it was pointed out that Peru, though not a member, supports considerable research of its own. Other nations, it was said, may become members in the near future.

● Robert Jones, attending his first meeting as a member of the commission, was chosen its chairman for the 1959-60 term, as offices rotate between the national sections composing the commission. Mr. Jones is manager of a gigantic farm on Tenas Illihee Island in the middle of the Columbia River; and for many years was a member of the Oregon Fish Commission. He was appointed by President Eisenhower to succeed Gordon Sloan, also an Oregonian, who became a member of the Supreme Court of that state.

Juan L. Obarrio, commissioner from Panama, was elected secretary.

The Commission, joined by all present, heard and passed resolutions of condolence on the deaths during the year of three leaders in the tuna industry and tuna research: Montgomery Phister, former vice-president of Van Camp Sea Food Co.; Bell Shimada, former senior scientist of the Commission; and Townsend Cromwell, Commission oceanographer.

About 65 attended. The Commission and its guests were tendered luncheon and dinner by the California Fish Canners Assn. at the Hacienda Hotel, where the meeting was held.

Among the notables aboard the **Santa Helena** on her shakedown cruise in late January were, left to right: Anthony Nizetich, manager, Fishermen's Co-Operative Association, San Pedro; A. D. Sokolich, Market News Service reporter; J. O'Connell, Van Camp Sea Food Co. finance department; Glenn Copeland, Van Camp vcie-president; and Peter Buchan, fleet operations manager, Van Camp.

Tuna Bid-Price Softens; Early Seine Catch Good

● American Tunaboat Association auction prices took a dip towards mid-February with unacceptable bids of $265 a ton for Yellowfin and $225 for Skipjack. During the first week of February prices ranged from $270 straight to $265 base for premium fish for Yellowfin, and from $230 straight to $225-$230 base-premium for Skipjack.

The new factor in the tuna canning industry, American Tuna Canning Inc., which recently purchased the South Coast Fisheries cannery at Terminal Island, was about ready to begin processing under the new ownership.

Following the usual year-end layup, the San Pedro purse seine fleet went out to the fishing grounds, and some of the vessels were returning to port early in February with good catches.

Most of the fish was being caught on the eastern shore of the Gulf of California, off Pt. San Ignacio, near Topolobampo, according to U. S. Fish & Wildlife Service reports. This, the Service said, is unusual, it being early in the year for good catches in these waters. It has been usual for fish to run there in March and later.

About half the seiner fleet was out in mid-February, the other half being still in port for repairs and refurbishing.

The clipper fleet, based mostly in San Diego, was finding good fishing on the high seas, but pickings were slim in less distant waters.

Helena Shakes Down

Santa Helena, now the world's biggest purse seiner, left San Pedro for a shake-down trip into the channel in January, and her owners, Van Camp Sea Food Co., graciously invited a list of interested guests along on the cruise.

In spite of a few pretty heavy seas, which washed down the afterdeck very thoroughly and put a few guests in discomfort, a successful test set was made with the new net, and the *Santa Helena's* gear gave a satisfactory performance, according to Frank Gargas, the new skipper. This being only a test set, no attempt was made to catch fish, but two fair-sized sharks managed to get themselves caught.

At last reports, the *Santa Helena* was out at sea with some tonnage already aboard, but prevented temporarily from going out for more by squally weather.

The total tuna catch, January 1 to February 7, as reported by the U. S. Fish & Wildlife Service's Market News Service, was:

Clippers, 9,932 tons in 1959; 11,330 tons same period 1958. Down 1392 tons or 12%.

Seiners, 641 tons in 1959; 851 tons same period 1958. Down 210 tons or 25%.

Anchovies and Mackerel Scarce

The anchovy and mackerel fishery was described by the USFWS as "dead." No catches were made from February 7 to mid-month. Between January 1 and February 7, 36 tons of anchovies, 174 tons of Jack mackerel and 90 tons of Pacific mackerel had been caught, as compared to 730 tons of anchovies, 557 tons of Jack mackerel and 1,708 tons of Pacific mackerel in the same period of 1958, which was a slim year itself, so the fishery is not what you could call active.

Fresh Fish Short

Fresh fish landings at San Pedro continued short, which is more or less to be expected at this time of bad weather. There were sizable acquisitions of squid, which is becoming more important as a fishery item, and some good-quality white sea bass was coming in from Mexico, but generally, supplies were short, and the shortage included out-of-state fish as well as Californian.

Oregon Seafood Irradiation Studies Are Extended

A new grant of $14,000,000 has been made to Oregon State College to investigate irradiation-preservation of seafoods for the Armed Forces.

The research — sponsored by the Quartermaster Food and Container Institute—could extend the market for fresh Oregon crab and provide fresh fish for Army menus in distant parts of the world.

C.R.P.A. and Wards Cove Buy Libby In Salmon Canning's Biggest Deal

● Alaska salmon canning facilities of Libby, McNeill & Libby were purchased late in February by C W C Fisheries, Inc., in a transaction which stands out for its size and significance in the 80-year history of the Alaska canned salmon industry.

C W C Fisheries, Inc., a new Alaska corporation, is owned jointly by Columbia River Packers Association, Inc., Astoria, Ore., and the Wards Cove Packing Co., Ketchikan, Alaska,

A. W. BRINDLE

two of Alaska's leading salmon producers.

The Libby salmon enterprise is generally recognized as second or third in size in Alaska, where it has been an important factor since 1903. Active Libby canneries involved in the transaction include:

Bristol Bay—Ekuk on the Nushagak; Koggiung in the Naknek-Kvichak area; and Egegik.

Kodiak Island—Moser Bay.

Cook Inlet—Kenai.

Southeast Alaska — Craig, Petersburg, George Inlet.

The Libby terminal facilities on Lake Union, Seattle, are not involved in the transaction.

● In addition to its size, which is believed to be the largest single deal in the history of salmon canning, the transaction is particularly significant in that it affirms unmistakably the confidence of two old-line and exclusive fish-packing companies in the future of the Alaska fisheries under statehood.

Columbia River Packers Association, Inc., was founded in 1887 and entered Alaska with the construction of a Bristol Bay cannery on the Nushagak in 1901. It has been predominantly a Bristol Bay operator, with a second operation on the Naknek, but is also joint owner with Pacific American Fisheries, Inc., of the Excursion Inlet Packing Co. with a cannery in Southeast Alaska.

In addition, the CRPA has its great headquarters cannery on the Columbia River at Astoria, Ore., and a Puget Sound salmon cannery at Bellingham.

Beside its ranking position in salmon canning, the company is one of the largest American tuna canners, with plants at Astoria and Honolulu; and engages also in fish and shellfish freezing on the Columbia River.

Controlling interest in the company is held by Castle & Cooke, Inc., Honolulu. (See article on Page 19 of this issue.) President of the Columbia River Packers Association, Inc., is T. F. Sandoz, recognized as one of the brilliant leaders in the American fishing and packing industry, which he serves in many roles beside that of company executive.

● Wards Cove Packing Co., Inc., is the property of A. W. Brindle and H. A. Brindle, who have owned and operated the big cannery on Wards Cove, a few miles from Ketchikan, for 31 years. In addition, the company owns the big Red Salmon plant at Naknek, one of the largest canneries on Bristol Bay.

The Brindle family interests are intimately concerned with the business life of Southeast Alaska, where they hold the controlling interest in the Tongass Trading Co. and the Miners and Merchants Bank, both of Ketchikan; as well as of the First Bank of Sitka.

In announcing Ward Cove's part in the Libby transaction, A. W. Brindle, president of the company, said:

"We have seen Alaska progress from a District to a Territory, and from a Territory to a State. Our decision to expand our business by acquisition of additional canning and fishing facilities was made after due deliberation. Transition to statehood and transfer of the fisheries from Federal to State control creates problems for the new State and its people, as well as for the State's largest industry, its fishermen and employes. We look to the future with confidence that these problems will be worked out harmoniously on a basis which will be fair and equitable to all of us."

● Operation of the Libby canneries will continue with little change in scope, personnel or fishing activity.

T. F. SANDOZ

The combined operations will be under the direct management of A. W. Brindle and R. B. Hendrickson, vice president of the C. R. P. A. They will be assisted by Kenneth Kent, who for a number of years has been general superintendent of Libby salmon operations.

In discussing the Libby decision to dispose of its salmon interests, President Charles S. Bridges said:

"Even though we are discontinuing our fishing and processing operations, we plan to continue the distribution of salmon at home and overseas.

● It is not anticipated that there will be any substantial change in the scope of Alaska operations as result of the transaction, for both Mr. Brindle and Mr. Sandoz said in announcing their enterprise: "All of Libby's extensive operations will be continued in conjunction with our respective companies' present Alaska operations."

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Atlantic, Pacific or Gulf Coast—when you want to insure dependable performance in your fishing boat, look for the Texaco sign.

Texaco Waterfront Outlets for fishermen offer you a first-rate combination: fine service, usually 24 hours a day, and fueling and lubrication with the finest products on the market—all designed to help you get the full power, dependable performance you need to get to and from your fishing grounds without delay.

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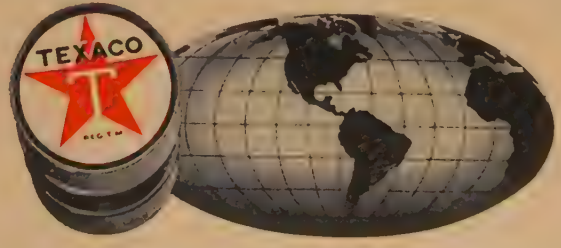


QUALITY AND SERVICE AROUND THE WORLD

International Halibut Commission meeting this winter was the first for William A. Bates, Ketchikan banker and newly appointed member, here third from left. From left to right: Richard Nelson, Vancouver; Mattias Madsen, Seattle; Mr. Bates; Seton H. Thompson, St. Petersburg, Florida; Dr. William M. Sprules, Ottawa; and Harold S. Helland, Prince Rupert. Dr. Sprules was elected chairman for 1959-60.

Mid-Ocean Conservation Crises Carried to High Diplomatic Level

● "Direct diplomatic negotiations at high levels", supplementing the efforts of the American Section of the International North Pacific Fisheries Commission, are insisted upon in a joint letter to U. S. Secretary of State John Foster Dulles, written in February by the Washington and Alaska members of the U. S. Senate, Warren G. Magnuson, Henry M. Jackson, E. L. Bartlett and Ernest Gruening.

They contend that such negotiations are necessary, in addition to the researches, investigations and determinations of the international commission because under the treaty the commission may act only by unanimous decision. Unless such high level negotiations supplement the scientific studies, the four senators believe the salmon resource of Alaska origin will suffer destruction before the international commission can agree unanimously upon a shift in the Provisional Line which will afford these resources the protection necessary for their true conservation.

The four senators' letter to Secretary Dulles follows in full:

● Of the gravest possible concern to the people of the Pacific Northwest is the failure of the International North Pacific Fisheries Commission to amend the provisional line, tentatively established as the eastern limit of Japanese salmon fishing by the North Pacific Fisheries Treaty of 1952.

As you know, the guiding principle of the Treaty was the promotion of salmon conservation. The provisional line (175° meridian west longitude) was a tool selected to achieve the conservation goal. "Suitable studies" were to be conducted to determine the travels of Alaska-spawned salmon, and it was contemplated that the provisional line would be amendable. The provisional line, after all, was not sacrosanct, but supposedly a practical device to effectuate the agreement of Canada and Japan "to abstain from fishing" for salmon "originating in the rivers of the United States of America".

The Treaty imposed on our government several obligations in the field of conservation — obligations which our government, with the cooperation of the people of the far west, has met faithfully. Indeed, one of the ironies of the present situation is that, while federal regulations limited the people of Bristol Bay, Alaska, to one or two days of fishing even during the peak of the 1958 season, Japanese fishermen fished seven days a week, harvesting millions of Alaska-spawned salmon on the high seas in areas where American nationals are prohibited from fishing. Moreover, the Japanese use equipment which American conservation practices and standards render unavailable to American fishermen. Many of the fish captured by Japanese are immature.

● Subsequent to the Treaty of 1952, scientific evidence, obtained by tagging, parasite study, blood counts, and other methods, revealed the inadequacy of the provisional line. Mr. Milton E. Brooding, our chief delegate to the International North Pacific Fisheries Commission, confirms scientific evidence showing that America-spawned salmon travel west of the provisional line. Studies show that as far west as 180°, eighty percent of the salmon harvested by the Japanese is of Alaska origin. The Asia and North America salmon are distinguishable by scientific examination, and it has been found that in a region of intense Japanese fishing activity near the present provisional line, ninety percent of the salmon originate in our country.

We can say, with pride and confidence, that Americans have not approached this matter unmindful of this country's international obligations or of the broad national interest. While pointing out to the Congress of the United States the gravity of the situation, the then Delegate in Congress from Alaska, now a member of the United States Senate, rejected the thought of unilateral abrogation by the United States of the Treaty of 1952 in the enclosed speech from the Congressional Record of March 26, 1958.

● However, it is difficult for Americans—and, we submit, for any reasonable person—to see how continued capture of America-spawned salmon can benefit either the people of Japan or of the United States. It would be whistling in the dark to ignore scientific evidence that failure to revise the provisional line will cause the total depletion of the salmon resource. In the preservation of the resources, of course all people in the world have an interest.

We do not believe that our friendship with the Japanese, and our respect for the people of Japan, require the United States to render itself helpless when a great food resource, the traditional way of life of a region of our country, and the self-sufficiency

of thousands of American citizens are involved. In view of the fact that failure to change the provisional line is detrimental to the people of Japan, there is no reason why the United States cannot assist the Japanese to meet any of the purely short-range problems that might result from such revision. Such assistance might take the form of scientific exchange of information, etc.

As Senators from the Pacific Northwest, we call upon you to use the initiative that — under the Constitution—is yours as a member of the executive branch of government entrusted with responsibility in foreign affairs ot solve this problem. We believe a new provisional line should be drawn, in the interest of all nations concerned. Efforts to achieve this result through the Commission itself have been unsuccessful, not because of the merits of the question, but because the Commission operates in many matters only by unanimous consent. Such efforts should continue, but, in our opinion, should be supplemented by direct diplomatic negotiations at high levels between officials of the Department of State and the Japanese.

Alaska Fishing Industry Unites State's Organizations

Alaska Fishing Industry, Inc., is being incorporated in Alaska to provide a means of uniting the efforts of the various fishery organizations composed of Alaskans in support of a program deemed to represent their joint concern.

Incorporating officers, and the organizations taking the initiative in the movement are: Kimball Poland, United Fishermen of Kodiak, president; Dick Persons, Cook Inlet Setnetters Association, vice president; Denton R. Moore, Bristol Bay Fish Producers Association, executive secretary-treasurer. In addition to the organizations represented by the officers, Cordova Aquatic Marketing Association is among the incorporating organizations.

Stated purposes of the federated group are:

"1. Promoting sound conservation, research, and development of Alaska's No. 1 industry, her fisheries;

"2. Establishing the free flow of trade information and communication between the great fishing areas;

"3. Generally disseminating information and education about Alaska's fishing and its problems."

Present headquarters are at Kokhanok Bay, Alaska.

Memo to Mr. Dulles—

"Before Irreparable Damage is Done—"

An Editorial View

● The call of Washington and Alaska senators for Secretary of State Dulles to initiate high-level diplomatic discussions of the problem and perils raised by Japan's destructive exploitation of the salmon resource originating in Alaskan streams brings recollection of somewhat similar demands made upon former Secretary of State; and of the forthright and effective measures which he adopted.

When Japan in the early Thirties began its high seas exploitation of the salmon resource of Alaskan origin, the industry appealed to the Department of State. Despite some blocks thrown from within the government, Secretary of State Cordell Hull took the matter into his strong hands.

From the negotiations which he initiated there issued the Cordell Hull Doctrine, which has never been denounced, and which the Pacific Northwest and Alaska count as applicable today. He wrote in 1937: "There is in these resources a special and unmistakable American interest"; and that their exploitation by Japan "must be regarded as important in the comity of the nations concerned."

● Twenty-two intervening years have seen sweeping changes, but the "special and unmistakable American interest" in salmon of Alaskan origin still persists;

And exploitation which is destructive of this resource, which is so vital to many nations as a source of food which must be conserved and perpetuated, is still "important in the comity of the nations concerned"—all of them.

● Recommendations that the government concerned give "full consideration to the conservation needs of these fisheries resources in the area of common concern" was one of the specific actions of the International North Pacific Fisheries Commission at its conference in Tokyo in November, 1958.

Such "consideration" by governmental officials at the bureau level was initiated in Tokyo following the close of the tripartite conference; and was renewed in Washington in mid-December. Among the participants for the United States were Arnie Suomela, commissioner, U. S. Fish and Wildlife Service; Donald J. McKernan, director, Bureau of Commercial Fisheries; W. C. Herrington, special assistant for fisheries and wildlife to the undersecretary of state. The Japanese delegation had as chief spokesman Kenjiro Nishamura, assistant chief of the Fishery Agency.

No announcement as to the success or outcome of the conference has been made.

● It would appear that the letter of the four senators would apply powerful leverage to start a discussion of the problem at a much higher governmental level than the Tokyo and Washington meetings in November and December.

Protection of a great natural resource from certain destruction, and of relations between two world powers from impairment, in truth merits attention at the highest levels of intergovernmental affairs.

Only by such negotiations, supplementing the researches and discoveries of the international commission, does it appear possible to achieve a rational measure of conservation before irreparable damage is done.

E. L. Morris Rejoins California Canners Group

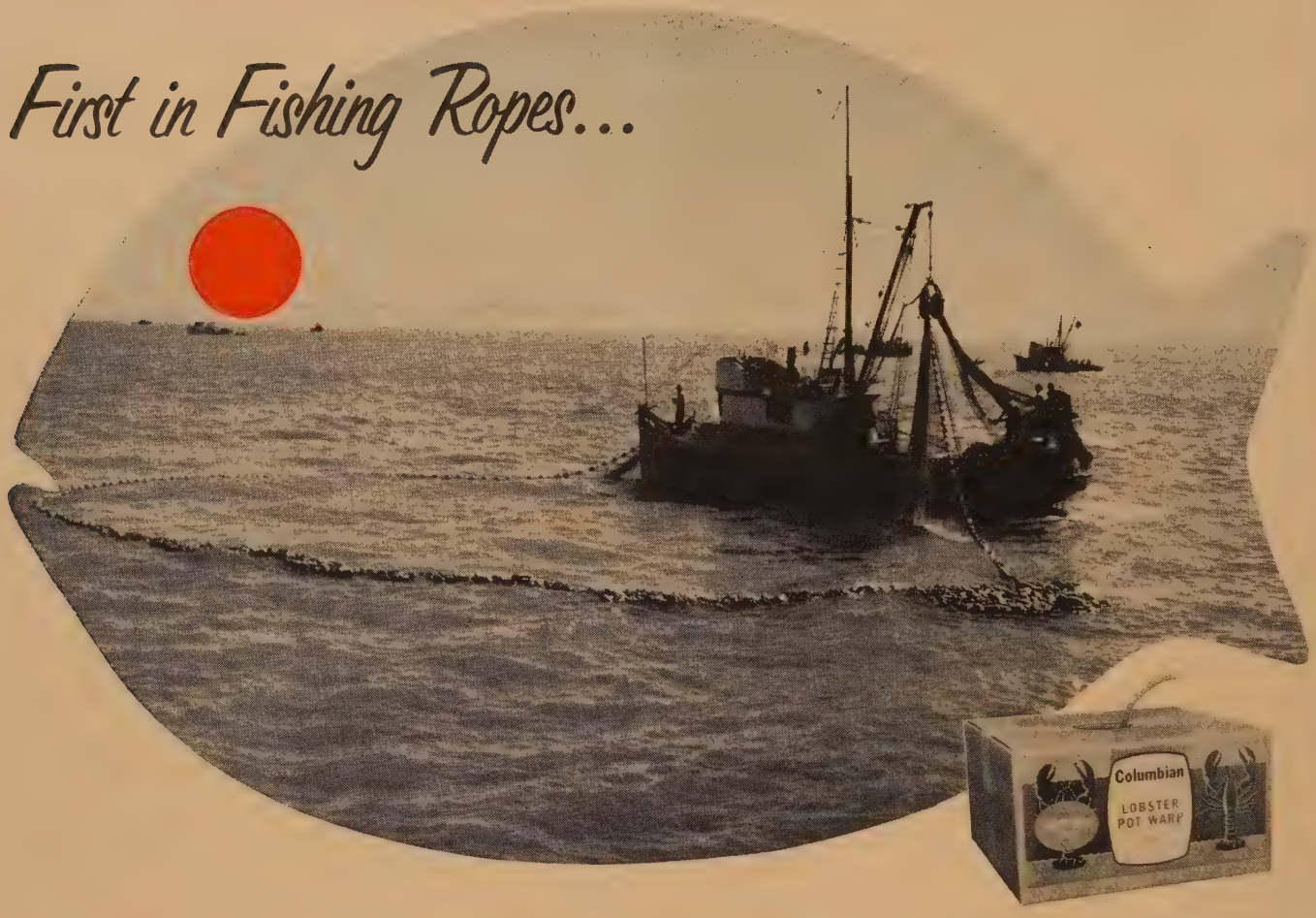
Edwin L. Morris has rejoined the California Fish Canners Association of Terminal Island, Calif., it was announced last month. Mr. Morris, who last fall became manager of the Independent Canners Association, Long Beach, Calif., returned to the CFCA as director of its Tuna Research Foundation, according to Charles Carry, executive director, CFCA.

William Hingston Heads N. W. Salmon Canners

William Hingston of the Washington Fish & Oyster Co. was elected president of the Northwest Salmon Canners Association, a branch of the Association of Pacific Fisheries, at its annual election recently.

Robert Morgan of Western Fisheries Co. was chosen vice president and A. L. Rogers of Petersburg Processors secretary-treasurer.

First in Fishing Ropes...



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PURSE LINES · LOBSTER POT WARP · POWER WINCH USE

Columbian research has done it again! It has prefected an absolutely new type of rope (patent pending) in which nylon is combined with flax.

This nylon-flax combination overcomes the drawbacks of an all-synthetic line while making full use of nylon's great strength and durability. It stays wet and runs cool even when used with power winches.

Nylon-flax is much stronger than cotton. It outlasts the average natural fibre rope many times. Due to its nylon content, it will withstand abrasion. It has no wet strength loss. There's nothing like it for purse lines and particularly for deep-water lobster pot warp.

Proved by months of actual fishing experience, Columbian nylon-flax rope means longer life—greater fishing profits! For full information, write Columbian Rope Company, Auburn, New York, today.

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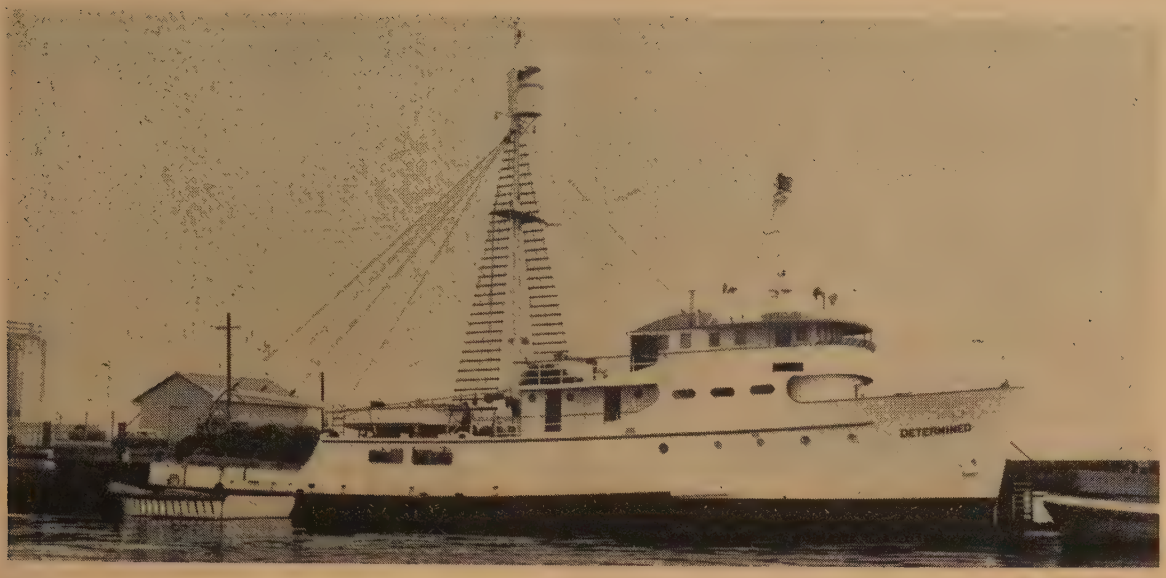

Determined, tied up at Terminal Island, Calif., where she was given the finishing touches before sailing on her first trip. Her new skiff is in the water astern.

Converted Clipper Setting Great Nylon Seine for Tuna

● Tuna seining with a steel giant, converted from a former clipper, is being given a new test as this is written by *Determined.*

She puts to new proof the ability of the seiner to compete with the clipped, adding emphasis to the trend so plainly manifest in California tuna fishing. She ranks with the largest vessels to set seines for tuna, and adds new significance to today's new course.

Determined, formerly known as the *Challenger,* is now under command of Norman Mezin and fishing for Star-Kist Foods, Terminal Island, Calif. Mr. Mezin is an experienced seine fisherman, having been captain of the *Western Fisher* and the *Western Monarch,* also San Pedro purse seiners.

Determined is an all-steel vessel, originally built by Avondale, 122′ by 29′ 6″, with listed capacity of 240 tons of refrigerated fish. Her capacity as a seiner will be just about what it was as a clipper.

The conversion job on the *Determined* was done partly by Todd Shipyards at Los Angeles Harbor, partly by Campbell Machine Inc. of San Diego. The work was planned and supervised by Arthur DeFever, naval architect of San Diego. The usual equipment installation, modification and checking, and the usual finishing touches were put on by the crew, Capt. Mezin maintaining a sharp-eyed watch on all operations.

Changes in the Vessel

● Although no changes were made in the structure of the hull itself, a lot of significant work was done on the boat within the hull.

The bait tanks were removed, and the upper deck cut back, as is usual and inevitable in a conversion. But in the *Determined,* the stern bulwarks remained high, for protection against following seas. The turntable was built to turn within the bulwarks. The table is in the shape of an octagon, 22 ft. diameter. With a 29′ 6″ beam, *Determined* has deck room enough to accommodate a 22′ turntable inside the bulwarks.

In the hold, the after bulkheads were removed to permit the fish wells to be extended into the stern. The fishing racks, of course, were removed.

The mast was moved aft and lengthened to its present 64′. This is a hollow, tapered steel shaft, fabricated by Campbell Machine from ½″ steel. The new main boom, also fabricated steel, is 52′ long.

On the new mast is a new crow's nest big enough for two men to work in together, made of molded plywood with a hardwood frame. A Fathometer is mounted in the crow's nest, with a repeater on the bridge. Also on the crow's nest is a speaker, which can be heard on the skiff. Thus the man in the crow's nest can be very effective and helpful in making the set and landing the catch.

The Giant Net

● *Determined's* new net contains 36 bales of nylon webbing, supplied partly by the Momoi Co. and partly by The Linen Thread Co.

The net is 410 fathoms long, consisting of four strips of 4⅛″ nylon web 100 meshes deep, one strip of 4¼″ 100 m. d., one strip of 4½″ 100 m. d., and one strip of 8″ 50 m. d. The lead line is ⅜″ galvanized chain and the cork line is ⅝″ nylon rope, with 6100 Goodrich Spongex synthetic floats.

To hold the vessel steady regardless of seas, and to keep her into the net, an innovation has been devised on the *Determined.* This is a water jet on the under side of the hull, just forward of the rudder and propeller. The jet is used to swing the stern of the boat, and is powered by the old bait pump. To avoid drag on the hull, the jet is built flush with the hull.

The net winch is a Northern Dragger 250-hp 5DAF, built by Tacoma Boat Building Co. One of the boat's new features with which Skipper Mezin is best pleased is the Controlair air controls for this winch, along with hydraulic controls for the power block. The winch is powered by a Master Electric 50-hp gear-head motor mounted in the shaft alley below

Final rigging of the great nylon net with its Spongex floats and the maximum size power block which loads the seine, otherwise almost too large to be handled with economic speed.

the winch itself.

Determined carries a Puretic power block, largest size, made by Marine Construction and Engineering Co. of Seattle, powered hydraulically by a Vickers system. For positioning the main boom, new vang winches were installed on port and starboard sides.

Brailing Hopper

● A big boat, with several hatches into the fish holds, *Determined* was one of the first to install a brailing hopper on deck. This is a stout plywood box, roughly 5′ square, built with a slight taper toward one side, which extends in a heavy metal chute. The hopper swings on a swivel base, and can be pointed into any of the hatches on the deck. The fish can be brailed into one receptacle only, the hopper, then the hopper can be swung around to deliver the fish in a single movement, into any hatch.

The new seiner has spray system and brine circulating refrigeration in the after holds. A new condenser pump with a Master 5-hp. motor was added when the vessel was converted.

Auxiliary controls for throttle and steering are provided on the port bow, on a long cord.

New Skiff Diesel Powered

● With her conversion, *Determined* acquired a big new skiff, 26′ by 14′ by 42″. She was built by Mardesich Cabinet and Boat Works of San Pedro, and is powered by a Swedish Volvo 100-hp. marine engine with an Advance fuel system.

Besides her new equipment and the major changes made, *Determined* was given a thorough overhaul and paint job. Paint on decks and superstructures was sandblasted off, a Dimet preservative coat was applied, and she was painted on top of that. On the hull, the paint used was International super tropical anti-fouling paint: on the hull above the water-line, American Marine Hy-Tex outside hull white paint. Most of the new rigging installed is stainless steel.

Determined's crew: Left to right, Frank DiMeglio, John Cvitanich, Bill Abe, Kai Takumi, Manuel Ypiz, Capt. Norman Mezin, Vince Zamberlin, Robert Freitas and Vince Mazzello. Missing from the picture is Bob Mizokami, engineer. Mr. Freitas is chief engineer, Mr. Zamberlin is second engineer, and Mr. Mazzello is net boss. Th skipper is mast man.

Ed Chapman, Tuna Sales Pioneer, Passes Away

The California tuna industry lost one if its pioneers, and the fish industry community one of its best-liked members, when Edward W. Chapman, formerly sales manager, Pan-Pacific Fisheries, Inc., died on February 6, 1959. Mr. Chapman was 54 years old.

In the tuna business for at least 35 years, Mr. Chapman had been sales-manager of Pan-Pacific for 12 years. Previously he had served in a similar capacity with Westgate California Packing Company, San Diego.

He was singularly well informed on tuna industry and tuna market matters, and expressed the viewpoint of the "independent" canners with accuracy and sound judgment.

Mr. Chapman was born in Connecticut, but came to California as a youngster, and was educated in Southern California schools. His death, which occurred at Seaside Hospital, Long Beach, Calif., was not expected, and shocked his many friends. He had been ill seriously only two weeks.

"RESTRICTED ENTRY"—

Becomes the Prime Subject for Academic Conference and Legislative Controversy

● "Restricted entry," an economist's term for regulating the number of fishermen who can harvest a public resource in order that the crop may be taken without economic waste and biologic disaster, was the central theme of a University of Washington conference just after the middle of February.

And just as the Conference on Biological and Economic Aspects of Fisheries management came to a close there fluttered into the Washington state legislature a bill designed to apply "restricted entry" to the fisheries of that state.

It created a furore—more than had the conference.

The bill was proposed to the legislature by International Longshoremen's & Warehousemen's Union, Local 4, which is the bargaining representative of fishermen who man the purse seine vessels fishing in the State of Washington. Secretary-Treasurer of the local is Joseph F. Jurich, who for years has contended that control on the amount of gear operated in a fishery is essential if the fishing industry is to be saved from economic disaster and the resource from biological depletion.

● The bill declares:

"It has proven impossible properly to regulate catching and taking of salmon without restrictions on the number of units of gear used. . . . It is therefore necessary to limit the number of licenses which may be issued."

The bill directs that the Washington director of fisheries shall license not more than 531 trollers, 393 gillnetters, 5 lamparas or round haulers, 203 purse, reel or drum seines, and 79 reef nets in the state.

He shall not be restricted in issuing *less* than these numbers whenever he deems it necessary for propagation, protection, conservation, management and preservation of the salmon.

Qualifications for license require experience, sound vessel and gear, adequate insurance, and a reasonably good record of law observance. In addition, the director may add such qualifications as he deems necessary.

● While the salmon industry generally was ready to recognize that some method of limiting intensity of fishing might be desirable, at presstime it did not appear prepared to "buy" the ILWU bill.

Questions being asked included:

How did they arrive at the figures for ceilings on license numbers?

How is it going to be possible to catch 50% of the Sockeye and Pinks which may be taken with such a fixed ceiling on gear, while the Canadians have no such limit?

How is the director going to turn down qualified applicants after the quota has been filled?

Best Sardine Season Since 1951 Winds-up

The best season for California sardine fishermen since 1951 was recorded in 1958.

Some 101,567 tons of fish were netted in 1958 which is five times greater than 1957's total of 20,490 tons, but is far from the record of 791,330 tons established in the 1935-36 season. In 1951-52 fishermen landed 126,511 tons.

The 1958 catch resulted in a pack of 2,256,800 cases of sardines. The by-products of this pack were 9,467 tons of meal for stock and poultry feed and 808,296 gallons of sardine oil.

Of the total catch, only 3,743 tons went for pet food and other uses.

The Department of Fish & Game which announced the figures last month, said the catch would have been greater had the major canneries remained open the full season. The big canneries closed about a month before the season ended when they had reached their market potential.

Castle & Cooke Increase CRPA Holding to Control

● Controlling interest in Columbia River Packers Association, Inc., was acquired by Castle & Cooke, Inc., of Honolulu late in February.

T. F. Sandoz, president of Columbia River Packers, announced that Transamerica Corporation had sold the balance of its holdings of stock in the company to Castle & Cooke, Inc., and Robert Dant of San Francisco, giving Castle & Cooke a majority of C. R. P. A. stock. This concludes a transaction which was initiated in September, 1958, when Transamerica Corporation sold a substantial number of its shares in the fish packing corporation to Castle & Cooke, Inc., and a group of prominent Oregon businessmen.

Mr. Dant, former Portlander and now prominent in investment circles in San Francisco, participated in the stock purchase last September. With this additional acquisition, he becomes one of the larger shareholders in the company. He serves as a member of the Board of Directors.

Malcolm MacNaughton, executive vice president of Castle & Cooke, Inc., and a director of C. R. P. A. for several years, stated that C&C's investment in the Astoria company is a permanent one for long range growth and expansion. Their control of the Astoria firm is another addition to their extensive holdings in the food business in Hawaii and the West Coast. The company controls Hawaiian Pineapple Co., Ltd., with its extensive operations in the Islands and fruit and vegetable packing on the West Coast. They own the Royal Hawaiian macadamia nut groves in the Islands and, in addition, have major investments in three of the larger sugar plantations in Hawaii, which production is marketed in the States under the C&H Brand.

T. R. Gamble, prominent in Portland business circles and active in company affairs for the past several years, continues as chairman of the board. There are no changes being made in officers or operating personnel of the company.

Mr. Sandoz stated that during the past 12 years, when the company operated as a subsidiary of Transamerica Corporation, it experienced one of the most successful periods in its history. This stock transfer concluded a sequence which started in 1956 when C. R. P. A. acquired Hawaiian Tuna Packers, Ltd., through merger, at which time C&C, Inc., first became a major stockholder in the company. Further expansion of the company's operations is being planned. Production and sales of the company's *Bumble Bee* Brand Seafoods during 1958 established new records and the company experienced one of its best profit years.

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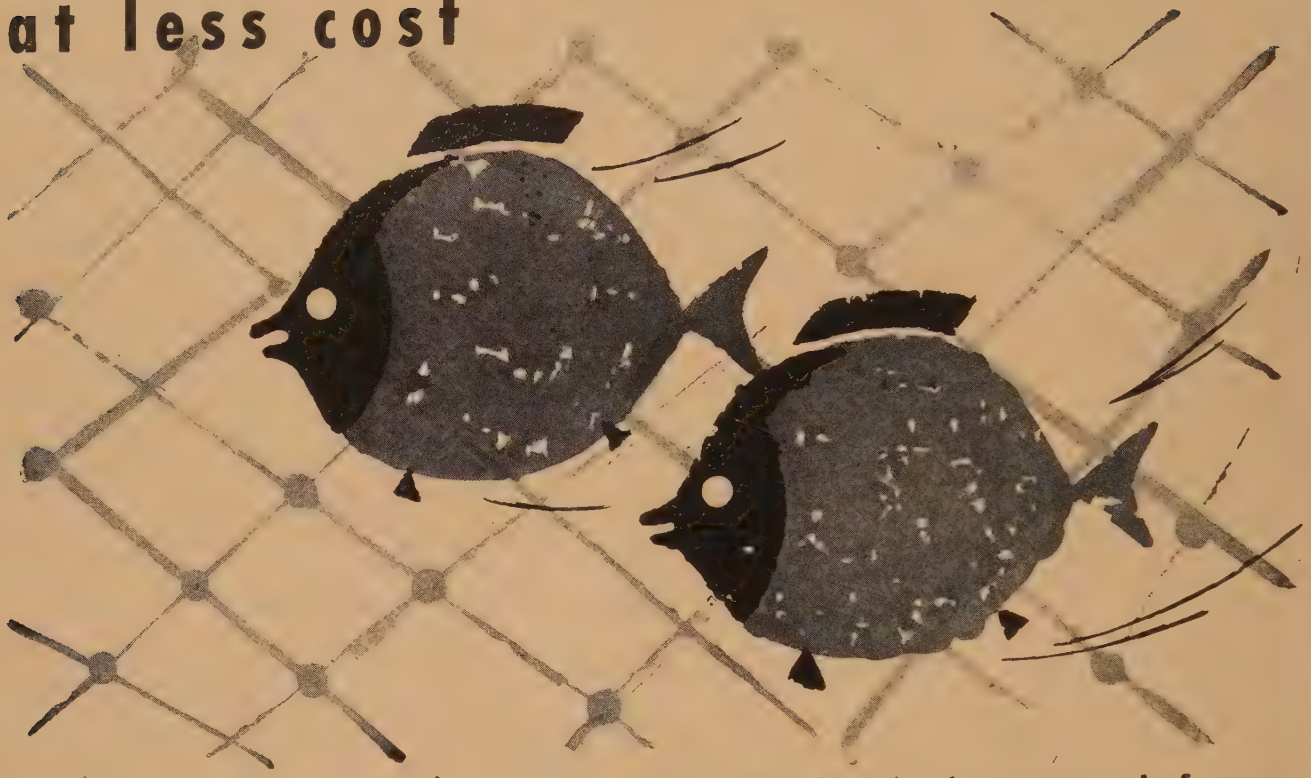

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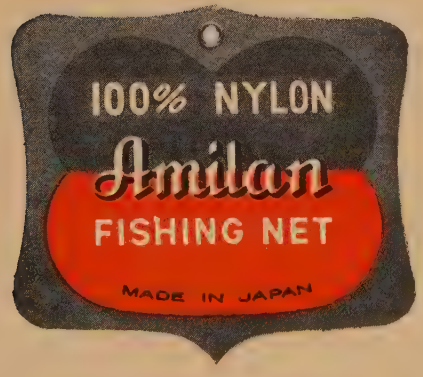

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PACIFIC FISHERMAN'S NEWS

MARCH 1959

Tunamen's Presidents—Capt. Joaquim Canas, 1959 president of the American Tunaboat Association, on the left, with the retiring president, Capt. Machada Medina.

Tuna Fishing's Outlook Brighter as 1959 Opens

● Tuna fishing outlook for 1959 is a bit brighter than for 1958, as 1958 was a bit brighter than 1957—

So Harold Cary, general manager of the American Tunaboat Association, told the membership at its recent annual meeting.

He backed his statement with these reasons:

(1) Tuna is increasing in importance as a food, and food is increasing in importance as a business, as the U. S. grows and the tuna market expands;

(2) Demand for tuna is catching up with supply, making for a leveling off in the world market;

(3) Demand shows signs of increasing every year;

(4) The Eastern Pacific is one of the world's most productive areas;

(5) With fewer vessels, the prospect for better catches per boat is good;

(6) Foreign fishermen's costs are increasing probably faster than Americans';

(7) Generally the situation looks better each year since the low point of 1955;

(8) Tuna prices seem to have hit a world-wide level, and in the future it may take higher prices to get increased landings.

The Association report was presented at a dinner attended by about 200 tunaboat owners, their ladies and friends.

Following the election of new officers, the American Tunaboat Association of San Diego, Calif., last month announced the names of 21 additional directors to serve with the officers.

The 1959 president is Joaquim Canas, owner of the *American Boy*. Vice-president is John Ghio of the *Julia B*. Edward Silva is secretary and Sam Crivello treasurer. The new directors are:

George Alameda, Wade Ambrose, Frank Brenha, Jr., Maurice Correia, Frank Gonsalves, Jr., William Hamlin, Sverre Jangaard, Lewis Livesley, Manuel J. Luz, Joseph Madruga, Stefano Massa, Frank Medina, Machado Medina, M. O. Medina, Manuel Neves, Joe Penacho, Joe S. Rogers, Frank J. Souza, F. W. Szalinski, Edward Varley, and Steve Zolezzi.

The aims of the American Tunaboat Association, as set forth by manager Harold Cary in his annual report, are broadly threefold: (1) To maintain continuing access to the tuna resources; (2) to provide for prompt unloading and sale of the catches; (3) to convince the U. S. government of the justice and need for carrying out the A. T. A. policy with respect to tuna imports.

The Association has also taken part in discussions on the Law of the Sea; has aided and backed research into tuna resources and the habits of the fish; has been active in labor relations; has counseled fishermen members of the Association on the best way to keep up good relations with foreign governments in the high seas off whose coasts they fish; and has conducted the bi-weekly tuna auctions for the fast unloading and profitable sale of catches.

California Imports of Frozen Tuna

Cumulative data in tons for 1959 through Feb. 14, and for other years to the nearest comparable date. Data from U. S. Market News Service

	Albacore	Skipjack	Yellowfin	Unclassified	Total
San Francisco	101	...	1,003	...	1,104
San Pedro	1,495	1,191	5,983	...	8,669
San Diego	201	16	724	...	941
Total to Feb. 14	1,797	1,207	7,710	...	10,714
1958	2,456	1,332	4,546	...	8,339
1957	1,900	2,090	3,094	...	7,084

S. F. Trawler Improved

Alex Paladini, trawler owned by A. Paladini, Inc., San Francisco, has been equipped with a Lister LD2 7 hp. diesel auxiliary direct connected to a Kurtz & Roots 2 kw generator, and with a front power take-off to power a generator and a Jabsco bilge pump. The unit was purchased from Oswald Machine Works.

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PACIFIC FISHERMAN'S NEWS
MARCH, 1959 Volume 57 Number 4

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New Nylons and Spray Chillers On Big Seiners

● The San Pedro tuna purse seine fleet was busy at sea beginning about mid-February, after a slow start mostly due to vile weather. Before sailing, the usual sprucing up was in progress.

Marauder, Capt. Tony Mihovilovich, put in new glass fiber linings in the hold, also some new nylon webbing in the net.

Anthony M, always one of the best-equipped boats in the fleet, added some new nylon webbing to her net. Anthony Misetich is the owner.

Western Sky installed a new Puretic power block, largest size, got in a new Starr nylon net, and put in a new Spray refrigeration system. She fishes for Van Camp under command of August Felando. Skipper Felando himself went into drydock for a few days for the removal of a cyst from his leg.

Defense, John Zorotovich, skipper, installed a new Spray refrigeration system in her hold, put on a new Puretic power block, and a new nylon net.

Sea Spray had a new addition built to her cabin, new glass fiber lining in the fish hold, new refrigeration coils. Matt Simundich is the owner; he was also president of the Fishermen's Co-Op for 1958.

Arthur Paquet Leads Oregon Marketing Assn.

With Arthur Paquet, veteran Oregon trawl fisherman as president, the Columbia River and Oregon trawlers who formerly composed the Off-Shore Vessel Owners Association have changed that organization into a co-operative—the Fishermen's Marketing Association of Oregon.

This follows the pattern which has been applied successfully to vessel ownership and operation in the Puget Sound area and elsewhere in the Pacific fisheries.

Other officers of the Oregon association are John Auvil, vice president, and Phillip Pinkstaff, treasurer. Trustees, in addition to the officers, are: A. J. "Bud" Conger and Alt Viuhkala.

ARTHUR PAQUET
president of the newly-organized Fishermen's Marketing Association of Oregon with headquarters at Astoria.

Fishermen Borrowers' Loan Repayment Record Good

An "excellent" repayment record has been established by borrowers from the Fisheries Loan Fund created by the Fisheries Act of 1958, its author, Senator Warren G. Magnuson, D., Wash., reports.

He said that even though $7,184,800 of the $10,000,000 appropriated two years ago had been loaned, only 10 of 279 loans, totaling less than $70,000, were delinquent.

U. S. Fish and Wildlife officials expect $3,880,000 remaining from the original appropriation will take care of anticipated applications to June 30, 1959. Senator Magnuson predicted the 86th Congress would appropriate an additional $10,000,000 to the Fisheries Loan Fund.

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"4-71" 69 to 167 H.P.

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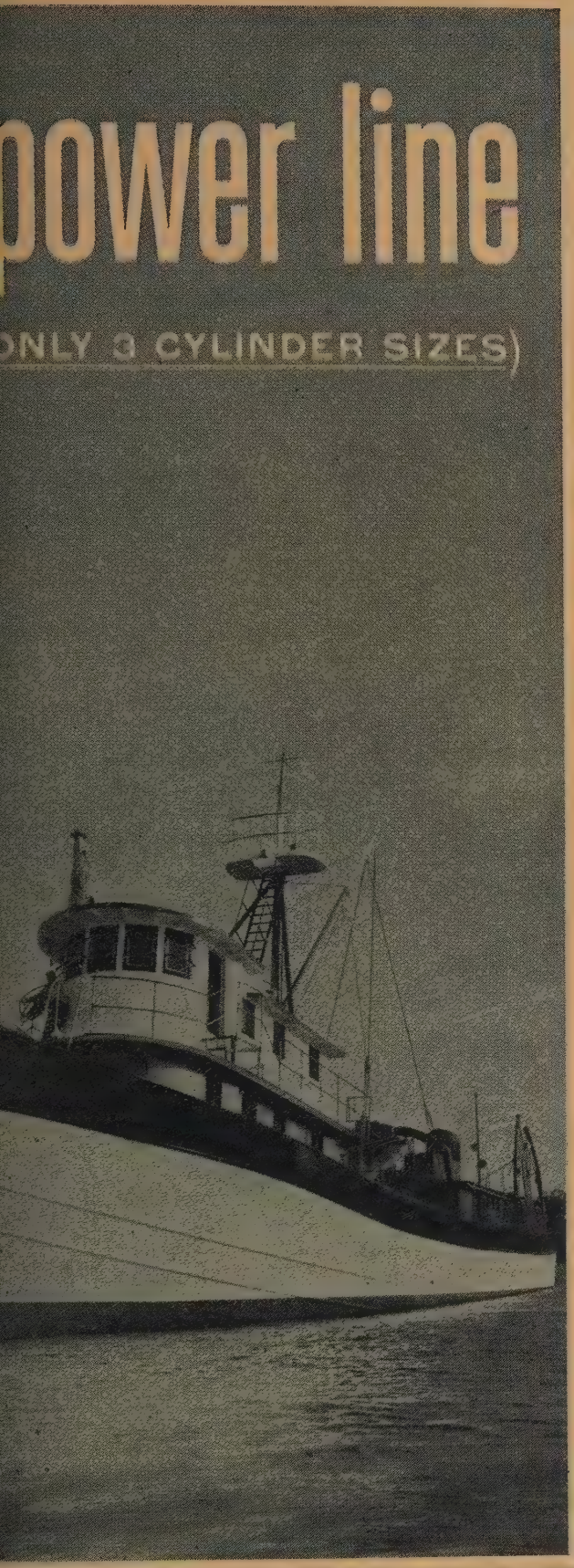
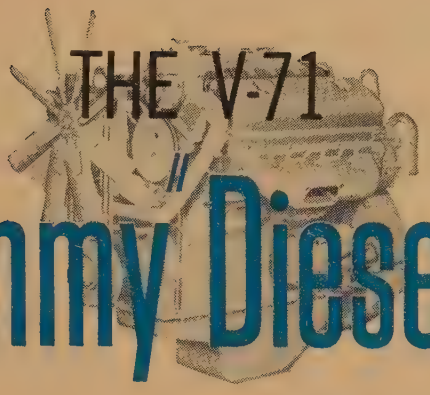
"6-71" 112 to 252 H.P.





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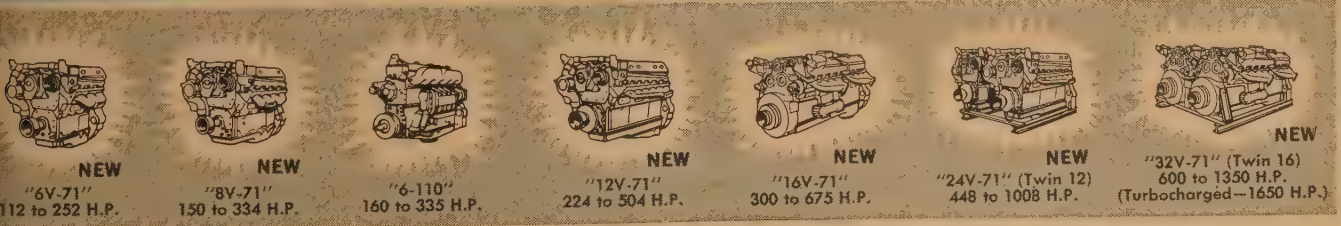

Americans Gain Fishing Water Under 1959 Rules

• Fishing water will be opened to Americans in the Strait of Juan de Fuca and southwest of Point Roberts under the regulations recommended by the International Pacific Salmon Fisheries Commission to govern the 1959 fisheries in the boundary waters of British Columbia and Washington.

Regulations recommended by the commission to the national governments are subject to restriction if the Pink salmon run fails to measure up to optimistic limits. Senator Thomas Reid, commission chairman, makes this plain in his summary, saying:

"Any variations below normal in the size of the 1959 run of Pink salmon will result in additional regulatory restrictions in all of the pertinent fishing areas of Convention waters."

The commission did not act upon the unanimous recommendations of the American members of its Advisory Committee to close fishing in the Strait for reasons explained in detail by Senator Reid and discussed in detail in another column.

Actions taken include:

1. Urgent request of American purse seiners for modification of the "Point Roberts triangle" was granted by the commission in its recommendations to the national governments of Canada and the United States.

2. Also granted was the request of American gillnetters that fishing on the American side of the international boundary in the Strait of Juan de Fuca west of Point Angeles begin at the same time as fishing in opposite Canadian waters.

3. The commission declined to shift the times of commencement of fishing between gillnets and purse seines in the lack of agreement between the two forms of gear, or of demonstrations that either was being injured.

• Canadian requests generally were not approved. Recommendations with respect to start of fishing by gillnets and purse seines were withheld pending demonstration of necessity and the possibility of agreement between types of gear.

Request that traps be regulated to conform to fishing time was rejected as lacking adequate justification.

An extra day of fishing in the strait was denied on the ground that it would react against securing needed escapement of early-run salmon races.

Mesh size specifications for King salmon nets during the spring and fall closures east of the Point Angeles-Williams Head line were approved to provide for 8" mesh size in linen and 8½" in nylon during the period from June 21 to July 20; and 9" and 9½" from Sept. 10 to Oct. 12.

A slight change was made in the interest of enforceability in the fishing boundary along the Fraser delta's "drop-off".

• Resume of the regulatory changes by Senator Reid concludes with the paragraph:

"Any further changes in the suggested regulations for the waters easterly of the Point Angeles - Williams Head line was not considered justifiable at this time in view of the favorable results from similar type regulations operative during the Pink salmon escapement period in 1957."

Columbia Trawl Industry Reaches Price Agreement

• Six weeks tie-up of the Columbia River trawl fleet ended about the middle of February following agreement on prices between the newly formed branch of the Alaska Fishermen's Union, representing the crews, and the vessel owners group, re-organized as the Fishermen's Marketing Association of Oregon.

The boat owners formerly had operated as the Off-Shore Fishing Vessel Owners Association, but took the new title with re-organization as a true cooperative, reportedly with 18 boats at the time the settlement was agreed upon.

Price schedule agreed upon was:

Item	*Per lb.*
Petrale sole	9¢
Sand sole	9
English sole, 13" up	7
Dover sole, 14" up	6
Rex sole	6
Rockfish	4½
Ocean perch	4½
Sablefish, 5 lbs. up, dr.	13
Sablefish, 3-5 lbs., dr.	7
Lingcod, dressed	10
Lingcod, round	4½
True cod, round	4½
Flounder	4½

No agreement was reached on the price of mink feed. The fishermen continued to ask 4¢ per lb. for this feed when the schedule on food fish was accepted; but the Oregon Fur Producers said this was out of the question, as they claimed fish for mink feed was available at Eureka at 2¢ for turbot; in Seattle for 2¼¢; and at Bellingham for 2¢ for turbot.

• Paul Constantine was elected president of the Astoria local of the Alaska Fishermen's Union, with Kenneth Olsen of Astoria vice president. Policy committee of the local, which has an initial membership of 67, is composed of Harold Sizemore of Seaside, Wally Bergerson and John Rhuby, both of Warrenton.

Swan Ohman, Portland, business agent for the Columbia River salmon local of the Alaska Fishermen's Union, will serve also as business agent of the trawlers' local.

Tuna Vessel Transfers Involve Notable Craft

U. S. Treasury reports changes of ownership of several Southern California fishing vessels in the past few months.

Betsy Ross, purse seiner, was conveyed to the ownership of Anthony F. Bozanich of San Pedro by Peter Cekalovich. Mr. Bozanich, in turn, conveyed ownership of the seiner *City of Naples II* to Star-Kist Foods.

Ruthie B., at this writing being converted from a tuna clipper to a purse seiner by Harbor Boat Yacht Co., San Diego, was conveyed to Star-Kist by Dr. Ohmer H. Warner.

Gem of the Sea was conveyed last November to Jose da Silva of San Diego by Manuel E. Simas. The *Gem* is a clipper, listed in the *Pacific Fisherman* roster as 103', 165 tons capacity, built by Martinac.

City of San Francisco, a 95' 110-ton clipper, was reported as conveyed to Campbell Machine Co., San Diego, by Joseph Colla. At this writing, the *San Francisco* is for sale at Campbell Machine. She was built by Genoa.

Western Fisher was transferred from Norman Mezin to Nikola Radovcich of San Pedro. Mezin, former skipper of the *Fisher,* is now master of the *Determined,* converted from clipper to seiner by Campbell Machine.

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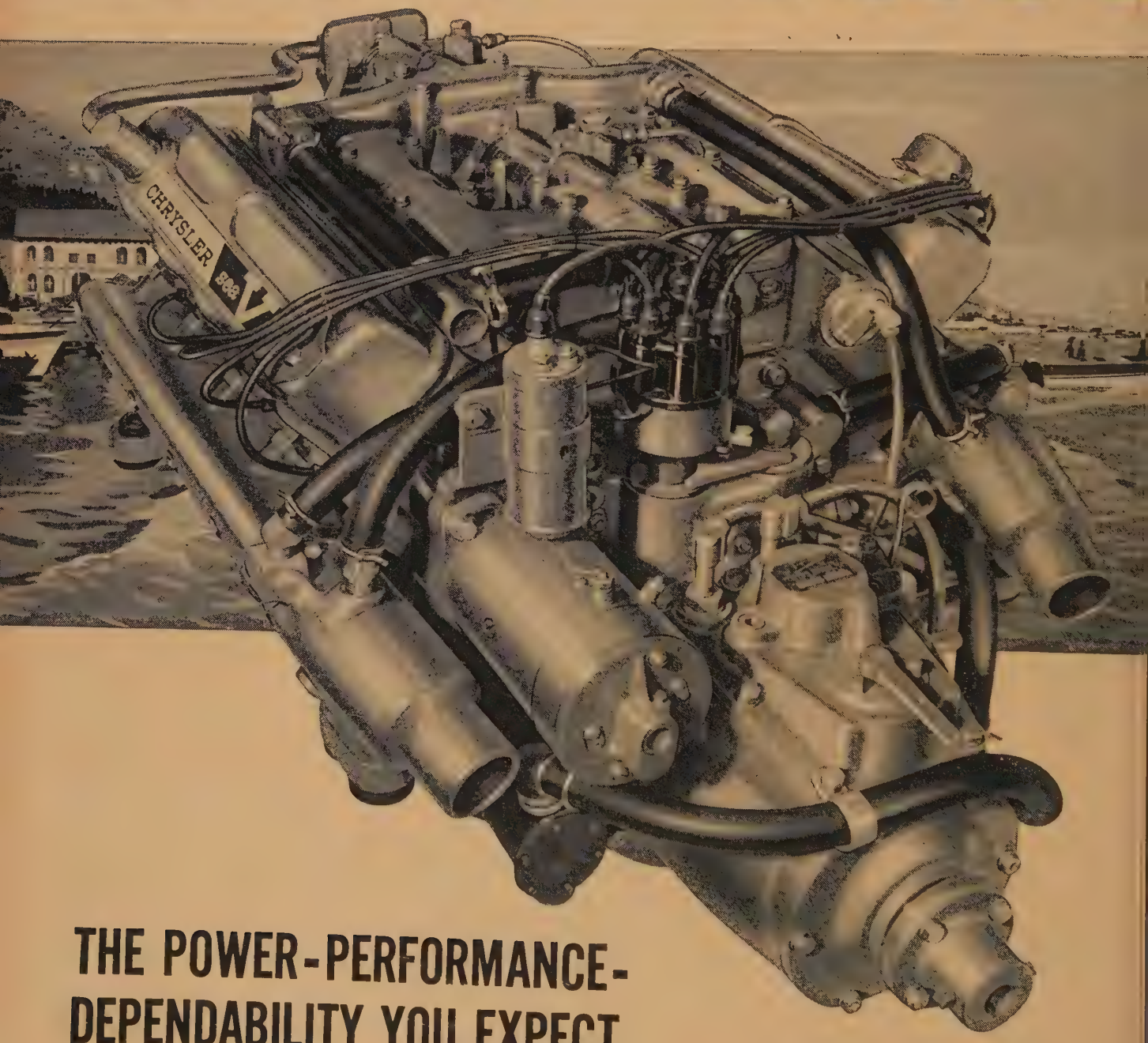

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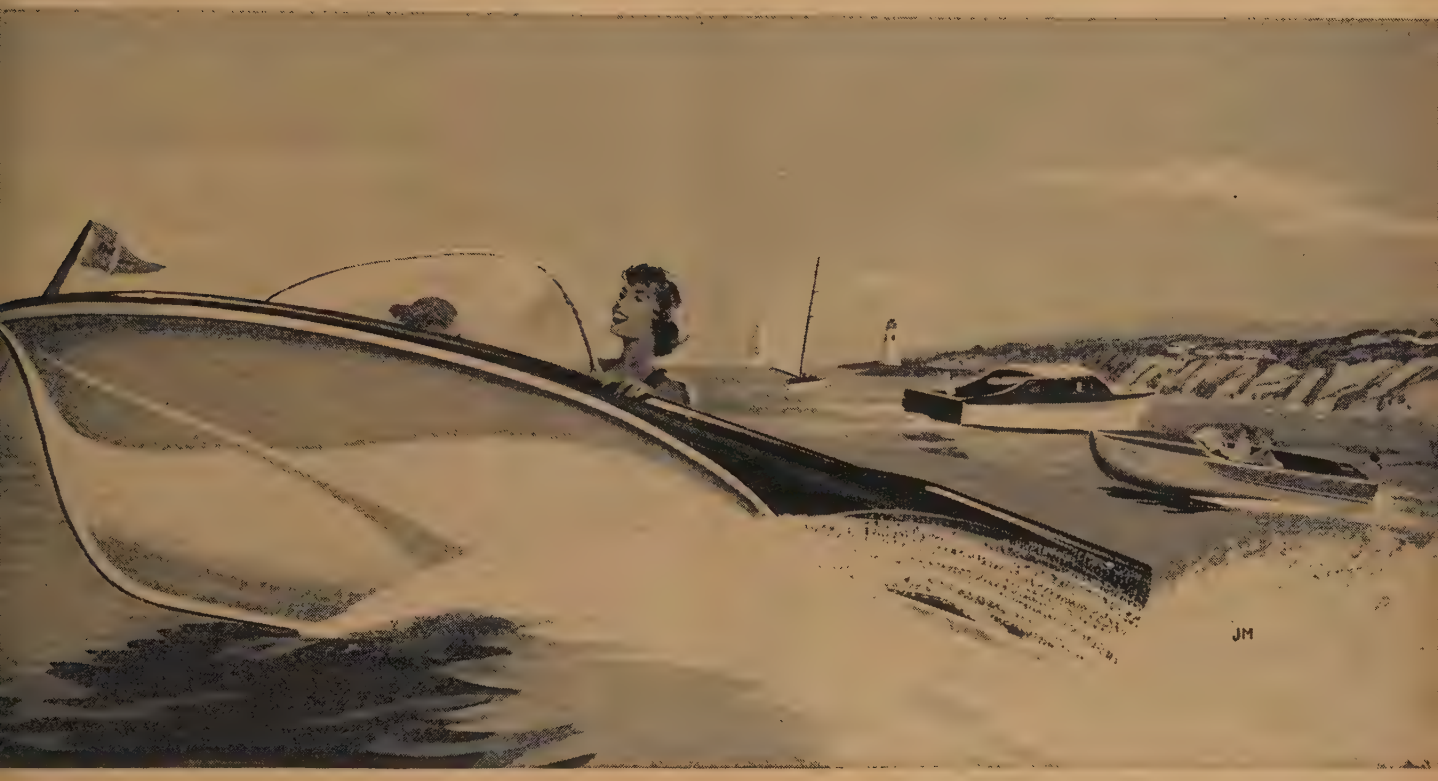

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Halibut Seasons for 1959 Will Hold to Former Course

● The International Pacific Halibut Commission has recommended to the United States and Canadian Governments that all North Pacific halibut fishing areas except Area 3B shall be opened to fishing May 1, 1959 (6 a. m. P. S. T.), and that Area 3B shall be opened April 1, 1959 (6 a. m. P. S. T.).

The fishing areas shall be the same as in 1958: Area 1A—south of Heceta Head, Oregon; Area 1B—between Heceta Head and Willapa Bay, Washington; Area 2—between Willapa Bay and Cape Spencer, Alaska; Area 3A—between Cape Spencer and Shumagin Islands; Area 3B—waters west of Area 3A, including Bering Sea.

In Area 1A there shall be one fishing season, without catch limit, extending from May 1 to 6:00 a. m. October 16 or to the closure of Area 3A, whichever is later.

In Area 3A there shall be one fishing season, with a catch limit of 30 million pounds, commencing on May 1 and terminating at the time the catch limit it attained.

In Area 3B there shall be one fishing season, without catch limit, extending from April 1 to October 16 or to the closure of Area 3A, whichever is later.

In Area 2 there shall be two fishing seasons as in 1958, except that the Cape Scott and Goose Islands grounds in Queen Charlotte Sound at the north end of Vancouver Island and the inside waters of southeastern Alaska shall be closed to halibut fishing during the second season.

In Area 2 the catch in the first season shall be limited to 26.5 million pounds. The second fishing season in Area 2 shall begin at 6:00 a. m., August 22, for a period of 7 days without a catch limit.

In Area 1B there shall be two fishing seasons, identical in duration to those in Area 2, and without a catch limit.

The grounds in Area 2 off Masset at the north end of Queen Charlotte Islands and off Timbered Islet off the west coast of Prince of Wales Island in Southeastern Alaska, which had been closed for a number of years prior to 1958, shall be open in 1959.

Hard Luck Column

● Wind, wave and accident took their usual toll last month.

In San Pedro, the Albacore boat *Karen M* drifted into the Outer Harbor breakwater, broke up and sank. The two men aboard, Harold McCourtney and Paul Cook, jumped off the heaving boat on to the breakwater, then fell in on the other side, or were swept in, and were rescued by a Coast Guard cutter.

The cutter was sent to the scene by an alert Marine Exchange lookout, Allen Holst, who saw the *Karen M* drift toward the breakwater, saw the men make their amazing jump, turned in the alarm, and saw the Coast Guard save the men from their ducking on the lee side of the breakwater.

Karen M. was valued at $15,000 and owned by Lyle Kennedy of San Pedro.

In San Diego, wind blew the clipper Magellan loose from her mooring at San Diego Marine Construction Co. and she drifted into a Navy vessel also tied up, damaging her hull amidships.

Towing a disabled vessel into port, the clipper *Constitution* collided with a tug in San Diego Harbor, and suffered substantial damage.

The fishing boat *Silver Dollar* out of San Pedro collided with a dude cabin cruiser in the fog two miles off Los Angeles Light. Both craft were able to make it into port.

Theodore G. Swienty, fisherman-cook aboard the clipper *Mary Barbara* out of San Diego, fell overboard and fought off a swarm of sharks near the Galapagos Islands off Ecuador. He was able to beat and kick off those that attacked him, while the others in the school went after his white plastic helmet, which had come off and was bobbing in the water. Meanwhile, the *Mary Barbara* had time to circle around and rescue Swienty. He suffered deep bites in the right leg and left foot. The *Mary Barbara* is a new vessel, built by National Steel, 127' long, capacity 345 tons.

"Twin Brothers" Sold

Twin Brothers, well known Monterey purse seiner, formerly owned by Salvatore Maiorana, has been sold to I. Califano, San Pedro.

Many Ex-Nor'westers Berth at Moss Landing

● Moss Landing fishermen Emerson Gray of the *Wanda Mae and* Pete Wilkes are crab fishing in Eureka aboard the *Pisces*. The vessel, recently purchased by Harry Howard, works 250 crab pots and at last reports was turning in a successful season.

Freeman "Whitey" Arbo has installed a G-M 671 in his dragger *Anna Alma.* The boat bases in Moss Landing and delivers catches to Stagnaro Brothers in Santa Cruz. Jack Sullivan, Moss Landing manager of Howard Low's Regal Seafood Co. and his wife Clara have returned from a holiday trip to Portland, Salem and Seattle. Art Erwin on the *Edith M.* and "Holly" Hollinshead on the *Shrimp* are fishing crabs for Regal.

Roy and "Babe" Johnson of Long Beach, owners of the *Christe II,* were in the Monterey Bay area recently. Friends visited by the Johnsons were Bill and Carol Yeoman of the *Twenty Grand,* Bob and Barbara Mason of the *Selma J.,* Leroy and Doscha Herrington of the *Peso II,* Roy and Ruth Dulaney of the *Penguin,* Orville and Ruth Patterson of the *Silver Spray* and Conrad and Joanne Pedersen of the *Sun-Ra.* Most of the above named couples are former residents and fishermen from Alaska and the Northwest who have come to California to live. With other fishermen from the North they have settled in the area between Castroville and Santa Cruz morring their boats in the all season safe moorage of Moss Landing. Among others in this group are Oren Addleman of the *Dolores J.* and Bill Johnston of the *Elsie,* both from Alaska; Don and Harriett Coffill of the *Harriett Mae,* Pete Aspen of the *Visit,* Peter Baade of the *Solveig,* Bruce North of the *Banshee II,* and Mike Schroeder of the *Mandy,* all from Seattle; Carl Davis of the *Rose Marie II* from Tacoma and Alex Ogren of the *Jay-Cee* from Gray's Harbor. Jim and Mary Butler of the *Blue Skies* have purchased property in the area and hope to build sometime this year.

Bill Harder, skipper of the *Seaway,* a former Washingtonian from Ilwaco, has been spending the winter building a house in Carmel. Don Hart of the *Rondivoo* will have a new home by the start of the fishing season. Don and his son are collaborating on the building of a house for each of them in Santa Cruz. Les Ballinger is on his second winter tour of Mexico. During the fishing season he helps out at either the Moss Landing Marine Supply store or Cincotta Bros. in Monterey. Ed Allen, former skipper of the *Morning Star* is recovering from a heart attack at his home in Campbell.

Another MURPHY DIESEL heads for salmon

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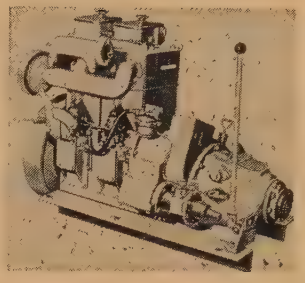

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A CRISP ALASKAN QUERY:

Who Benefits from the Supposed Superior Quality of Trap Fish?

• Crisp comment on salmon quality, and on whether the consumer price necessarily reflects the quality in the can, is contained in a letter received by *Pacific Fisherman* from Petersburg, Alaska. It is signed jointly by Fred E. Haltiner of the Petersburg Vessel Owners Association and John E. Longworth of the Petersburg Fishermen's Union, Ind.

Because it is devoted to a subject of wide interest to fish producers, packers, sellers and consumers, we are publishing the letter here in full. Referring to Page 40 of our issue for December, 1958, Mr. Haltiner and Mr. Longworth write *Pacific Fisherman* thus:

"You strongly imply that trap quality Pinks are unquestionably the top grade in the Pink pack. Is this information passed on to the consumer? If so, how?

"In checking over the shelves of our local merchants no salmon can label shows the fish to be trap caught, neither do any of the brands indicate inferiority to competing brands.

"A producer in any field should at no time be the least bit reluctant to openly advertise quality, or superiority of the product. Why then is this so-called superiority of trap caught fish not advertised?

"Could it be that the producers of trap fish know that the quality difference doesn't exist? Could it be that these same producers, who also handle seine fish, know that it is their responsibility to accept only sound merchantable seine caught fish?

"Or, could it be that these trap owners are sensitive about operating a privileged type of gear. A type of gear whose operation is denied the rank and file. A type of gear outlawed elsewhere on the Pacific Coast. A type of gear hated by Alaskans, and one which they have twice voted out of existence, but have had no authorization to effect its ouster.

"Let's quit being the victims of a very efficient propaganda machine. Alaska as a state should have comparable rights with Washington state. We want more than anything else to revive our fishery, and at no time intend any retaliatory or discriminatory moves. Moreover, we think your Washington caught (No Traps) canned salmon is just as high quality as ours. If you don't believe it, you take our traps—we'll sacrifice that much so-called quality."

Aluminum Seine Skiff Introduced in Canada

Growing use of aluminum in Pacific fishing vessels construction is exemplified by the 20' seine skiff built recently by Coastal Coppersmiths of Vancouver, B. C. The craft is powered with a 150-hp. Graymarine engine, fitted with a freshwater cooling system. The skiff is ruggedly reinforced to give it strength for the beating a seine skiff takes, notwithstanding its light weight, which counts for so much in hauling it aboard and launching it for a set.

John Bukov, a retired fisherman well known to San Pedro people, died in his home in Seattle last month. He was in his 80s. He leaves two granddaughters, Geraldine and Mary Jean of San Pedro, and his widow and a son, Dr. Silvio Bukov, of Seattle.

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Boat "TUNA CLIPPER" for Sale. Refrigeration, Loran equipment, Fathometer, Radio. 165 hp motor. 51½' length, 13'7" beam. Now at San Pedro Fish Harbor. $18,000. E. Kolnes, 1547 Le Grand Terrace, San Pedro. TErminal 3-7302.

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FOOD PRODUCTION MAN: National Distributor of fish and seafoods has opening for man qualified to develop and supervise production lines. Applicant must have experience in food processing preferably in the preparation of fish and seafood specialties, fish sticks, and related items. He should be familiar with packaging and quick freezing methods. General knowledge of fishing industry helpful but not essential. Experience in production phase of frozen foods industry would assist applicant in qualifying for this position. Position offers opportunity for advancement and salary commensurate with responsibilities involved and applicant's qualifications. PACIFIC FISHERMAN'S NEWS, Box 352, 71 Columbia Street, Seattle 4, Wash.

COMMERCIAL FISHING BOATS for sale of all sizes, from Salmon Trollers, Combination Albacore Types, Monterey Purse Seiners to Draggers; Many Winter-moored at Moss Landing Harbor and Monterey; Prices from $4,000.00 to $85,000.00. DON WOODWARD, Licensed Broker, MOSS LANDING, California; Telephone CASTROVILLE, NEwton 3-2620; Office at Marine Store, and Standard Oil Fuel Dock, Moss Landing Harbor. (Closed Sundays)

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Many other commercial, fish and work boats of all types and sizes. Contacts in leading Pacific Coast ports. FRANK SIMON ASSOCIATES, 105 West "C" Street, Wilmington, California. Phone: TErminal 5-3101.

FOR SALE: Boat "Betty Zane". Built 1955, 34'x12'. Flying Bridge, 8 ton Hold, G M Diesel, 85 Watt Radio, Wood Freeman Pilot with remote control, D. F., Fathometer Recorder with repeater, Loran, 3 spool Salmon Gurdies. Picture sent on request. Call or write Glenn DeLay, 3225 Reva Dr., Concord, Calif. MUlberry 2-2734.

JERRY'S BOAT SALES: For any type or kind of boat or ship. World-wide contacts. Matt Batinovich, owner and broker. New location: 310 West 7th, San Pedro, Calif. TErminal 3-4482.

FOR SALE: New Unused Gray 6-71, 1½:1 reduction with bilge pump. Bought for Alaska cruise but must return to Graduate School. $2,150 will deliver. 750 Horn Lane, Eugene, Oregon. DI 4-4714.

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S. F. Boats Readied

Al Sancimino, skipper of the combination boat *Carrie* has had that craft's GM 6-71 diesel engine completely overhauled by Shoreline Diesel Maintenance, Fishermen's Wharf, San Francisco.

Jerry Vest, Jerry's Bait Shop, also had the GM 6-71 engine in his *Jerry II* completely overhauled by Shoreline Diesel.

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Sardine Boat Logs 65 Trips in 74 Days

An outstanding record was hung up by the San Pedro seiner *Clermont* last sardine season, when she made 65 trips from her home port to the Santa Rosa-Santa Cruz Island area in 74 nights of fishing.

Her total landings for the season were more than 2,400 tons, and she could have landed more had she not been fishing on cannery-set limits.

Clermont is owned by John Evich. She is 73′ by 18½′. During her season's operations she traveled more than 14,500 miles back and forth to the fishing grounds. Her propulsion engines are two GM 671 diesels, which drive the vessel about 10 knots.

Capt. Evich is now building a new nylon net, in which he is investing about $31,000. Sold through the Fishermen's Co-Operative Association of San Pedro, the net is a Starr, 285 fathoms by 35 fathoms deep, all 1⅜-in. mesh, with a ⅜-in. galvanized lead line and 4000 B. F. Goodrich Spongex synthetic floats.

The skipper is also planning a trip to Europe this Spring.

Capt. Evich is said to be the first fisherman to use airplanes in sardine and mackerel fishing, in 1950.

Trade in Trollers Brisk in Bay Area

Ray Wadsworth, Oakland, former owner of the troller *Paul C.*, has purchased the troller *Eastern*, a 68-footer, from A. Arensen, Seattle. Ray keeps his boat at Evans Radio Dock, Oakland.

Service, Lon Richey, Seattle, is a new troller to arrive at Evans Radio Dock. She is owned by Lon Richey, former tug boat owner and operator of Seattle, who decided to go fishing. *Service* is a 65 footer and berths at Evans Radio Dock.

Andy Helseth, skipper of the troller, *Silver Spray*, has been on a long trip to Sweden, according to Mrs. George Evans, Evans Radio Dock, where the ship berths, but will undoubtedly be back for the opening of the California salmon season.

Wes Berghouse, skipper of the San Diego troller *Klatsop*, is having Parker Diesel Engineering Co., Oakland, install a rebuilt 175 hp. Cummins engine in his craft. The engine will also have a 4-1 Snow & Nabsted reverse and reduction gear.

Luigi Scotti, fisherman, native of Italy and late resident of San Pedro, 53 years old, died in San Pedro last month. He leaves his widow Teresa, and sons Joseph of San Pedro, Vincent of Glendora, Calif., and Frank of Santa Ana, Calif.

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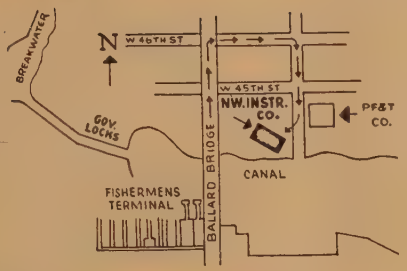

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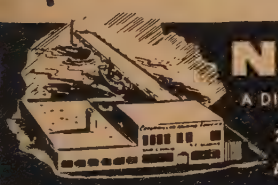

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Fuel Capacity	450 gallons	Outside Plating	¼ inch

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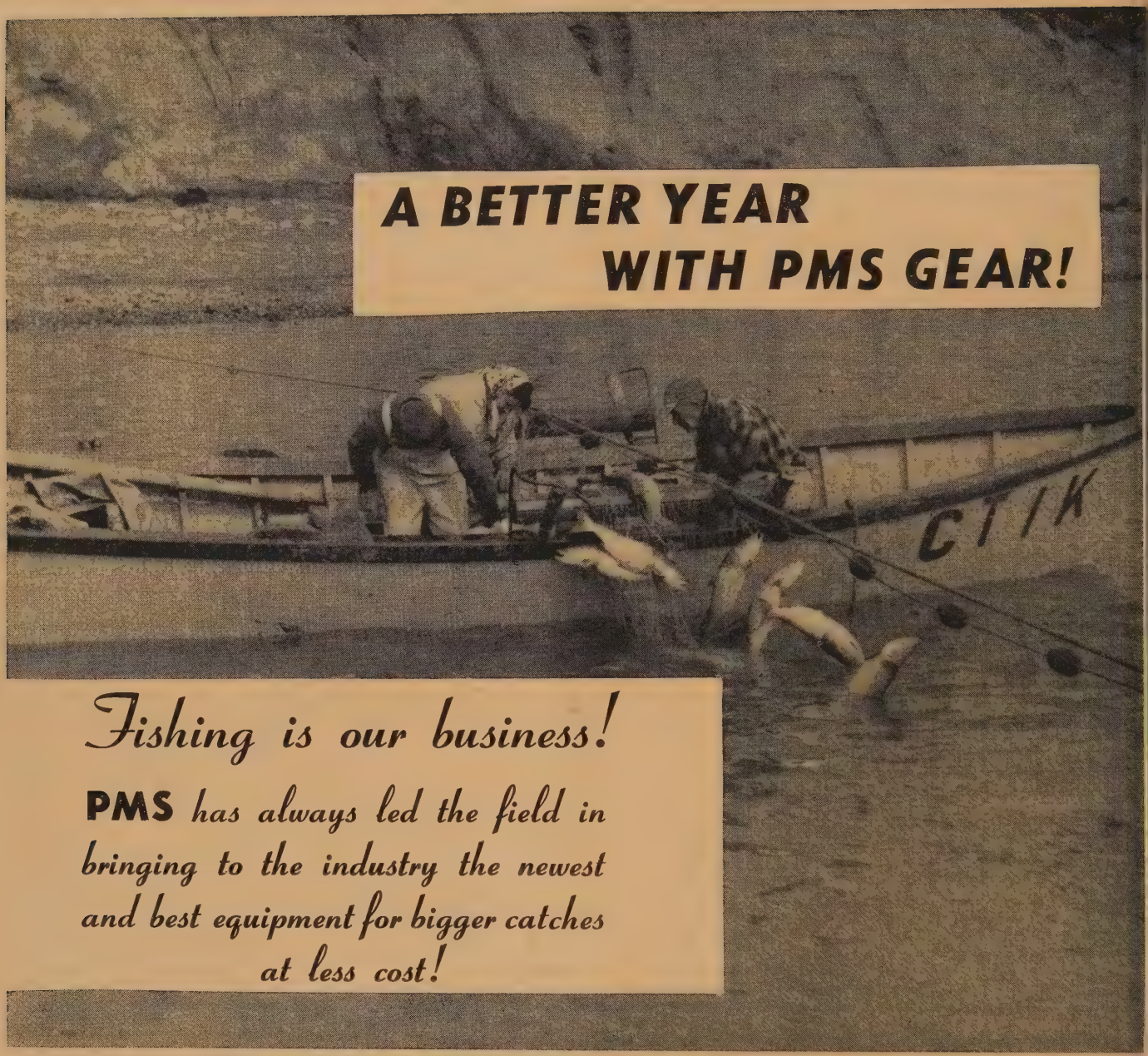

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Out for the Winter, but getting ready for spring: a half-dozen Puget Sound seiners at the Berg Shipyard, Blaine, where the new marine railway has capacity of 500 tons and can haul out 90-footers. The new boat basin makes Blaine a particularly popular and well-protected Puget Sound fishing port.

Brisk Boat Yard Business Noted In North Puget Sound Fish Ports

● North Puget Sound boat yards found late winter business brisk, and expected active construction and modification jobs to gain momentum running through months ahead — this when *Pacific Fisherman's* field editor visited them about the middle of February.

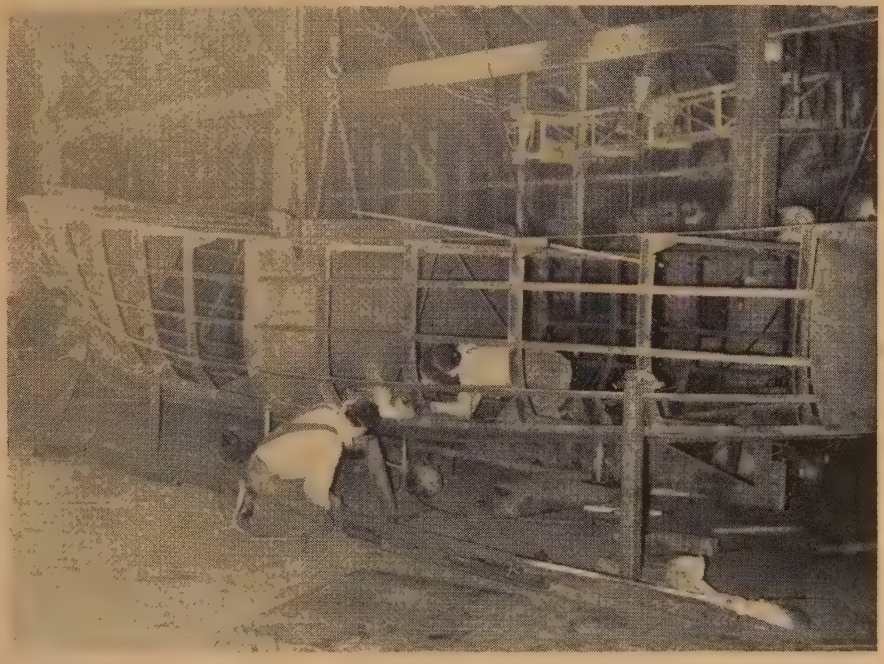
In comon with fishermen elsewhere in the Pacific Northwest, those in the Bellingham and Blaine areas were keeping a sharp eye on the developments due to follow changes in Alaska salmon trap operations, and resulting from Alaska's newly-won statehood.

Some were ready to move already to meet new opportunities. Others—and they were in the majority—were inclined to wait until they could discern a little more clearly the shape of events and the course on which they were moving.

● Berg Shipyard has expanded its facilities at Blaine, Wash., keeping pace with the breakwater and moorage construction there. A new marine railway of 500 tons capacity, capable of hauling 90-footers, is now in service. During the fishing season the railway gets plenty of action. Beside floating the new concrete pontoons for the moorage basin, it hauled out about 100 vessels before the end of the year.

Further pickup in activity this year saw about a score of boats hauled out during the first five or six weeks of '59. The yard has added to its machine shop facilities and extended its services to the repair and installation of all types of electronic equipment, including radar and sonar. Expanded marine fuel business at the yard's Texaco dock has been part of the general increase of port activity.

Sixteen current haul-outs or dockside jobs involving repair work at Berg Shipyard were counted when *Pacific Fisherman* visited. They are: *Hydah*, a 65' buyer boat for Washington Fish & Oyster Co.—extensive repair of stern including several large timbers and a rebuilt propeller; minor repairs on the gillnetter *Sea Belle;* replaced planking on the 45' seiner *Linda Jo;* general repairs on the *Pride* for crab fishing and salmon; 42' seiner *Chatham*, minor repairs and engine work; 38' seiner *Rose Ann*, minor re-



Steel Gillnetters are not common, and this is an uncommon one as well, a 32' stern-picker designed by H. C. Hanson, Seattle naval architect, and planned to carry three men in comfort, if desired. This is in the Weldit shop in Bellingham.

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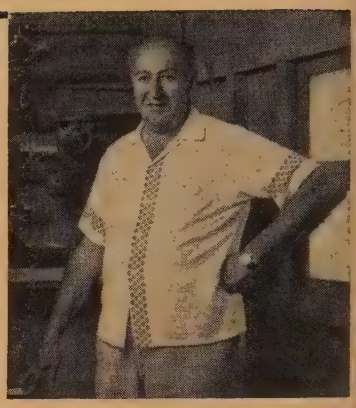
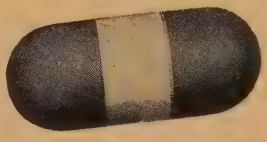
"We have joined the Swing to SHEPHERD Shrimp Floats"

says Jack Sabel of Camaronera Del Carmen, Campeche, Camp., Mexico



"For quite a while now," Mr. Sabel explains, "we've heard a lot about Shepherd Plastic Floats and been impressed by the statements made on them by other users in the ads in "Fish Boat". Because of these fine reports, we have ordered our first shipment, confident that we are getting a superior product."



SHEPHERD Plastic Floats feature bulkhead construction for greater strength. They are lightweight, extra buoyant and will not deform under pressure.

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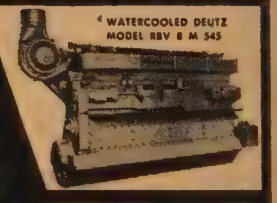
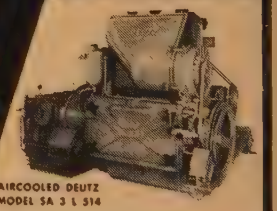
ORIGINATORS OF PLASTIC FLOATS FOR COMMERCIAL FISHING

DEUTZ MARINE DIESELS

power you to greater profits!



WATERCOOLED DEUTZ MODEL RBV 8 M 545



AIRCOOLED DEUTZ MODEL SA 3 L 514

ONLY DEUTZ MAKES A FULL RANGE OF WATER AND AIRCOOLED DIESELS—lets you pick the one unit your vessel needs for *maximum* power output, *minimum* fuel cost, longest engine life!

DEUTZ WATER COOLED DIESELS from 3-2000 BHP in 2, 4, 6, 8, 12 cylinder models, naturally aspirated and turbocharged.

DEUTZ AIRCOOLED DIESELS from 7-200 BHP in 1, 2, 3, 4, 6, and V 8 and V 12 cylinder models.

Write for Dealership information. All parts in stock right where you need them.

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DIESEL ENERGY CORPORATION MN3
82 Beaver Street, New York 5, N. Y.

I am interested in more details on use of DEUTZ MARINE DIESELS. Please send me catalogs covering the range I have checked.

10–250 HP
☐ over 1200 RPM
☐ Aircooled ☐ Watercooled
☐ below 750 RPM

750–2000 HP
☐ under 600 RPM

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Dry Storage for four famous vessels of the Everett, Wash., fishing fleet is provided here at the Fishermen's Boat Shop. **Polarland,** on the right, is one of the far-ranging "Land" fleet, which fishes from Cape Ulitka to Cattle Point.

pairs; troller *Chinook* for installation of a rebuilt engine, new drag gear and other work; gillnetter *Delores*—minor repairs; engine repair on gillnetter *Gold Dust;* the 42' seiner *Halcyon,* gillnetter *Penelope* for repairs; a new stem on the 42' seiner *Priority;* the gillnetters *Sandra Marie* and *Traveler* for planking and extensive work; and miscellaneous repairs on the small seiners *Triple S.* and *Yukon.*

The yard has also reactivated its covered boatbuilding ways on Dakota Creek where new vessel construction is anticipated shortly.

● *Borman Boat Shop* in Bellingham is building a 15½' by 7' vee-bottom plywood seine skiff for Pete Smith, of Blaine, who lost his old skiff in a storm last year. The fir plywood used saves weight, according to builder John Borman, and permits a total weight without engine of 500 pounds. A Norseman gasoline engine has been selected. A pipe structure by the tunnel stern eliminates need for skegs and is built to provide better fairwater.

● *Bellingham Marine, Inc.* — Dick Crim reports the repowering of the seiner *Bobetta,* owned by Hank Brandt of Bellingham. New engine is the GM 6-110E Detroit diesel, using 3.71:1 gear and a 48x36" Olympic wheel. The seiner *Lemes* was repowered last season with one of the first installations of the same new diesel, at 4½:1. The shop is also rebuilding the 6-71 diesel on Phip Cope's troller *Fenwick* of Anacortes, and has rebuilt the engine on Floyd Green's seiner *Caroline,* expanding reduction from 2:1 to 3:1 and enlarging wheel and shafting. The shop furnished parts recently for a rebuilt GM 4-71 diesel on a boat Hank Jensen is building at Friday Harbor.

● *Weldit Tank & Steel,* Bellingham, is building an H. C. Hanson-designed 32' gillnetter that will accommodate three men comfortably with head and small galley. The craft, 10' beam, is all welded steel with a flat tunnelled stern that will allow it to be backed up right onto the beach. Drawing about 24", it will accommodate a 21" propeller. It's a stern-picker but very similar in hull to a steel bow-picker the plant built about a year or more ago.

● *Weldcraft Steel & Marine, Inc.,* Bellingham—Last year this firm had three extensive rebuild jobs involving shortening seiners to Alaska limit overall length, and another such rebuild was taking place again at this writing.

BOW and STERN—Puget Sound boat yards are busy getting them ready. At the top, Berg Shipyards, Blaine, takes a few feet of the bow of Capt. John Sarich's veteran **Indiana,** thus bringing her within the Alaska limit. In the lower picture the Washington Fish & Oyster Co. tender **Hydah** has her stern retimbered in advance of operations on Puget Sound and Shelikof Strait.

Craftsmen and a Craft at the Fishermen's Boat Shop, Everett. Here the crew is replacing some planks in the hull of Ragnar Neergaard's **Alaskan,** which was also equipped with sea water refrigeration, thus keep abreast with this latest technological improvement for working fishermen.

The 61' *Indiana* was being brought in through reconstruction of the bow, for John Sarich. In another rebuild, a 36' landing craft is being lengthened almost four feet with the addition of a ship-formed bow. Named the *Gail,* it will become a gillnetter and be used for log patrol work in winter time. Earlier the seiners *Dora R.* and *Carl R.* were in the yard for installation of circulating seawater holds for crab fishing. New rolling chocks were installed on these steel hulls. The *Dora R.* has come in again for reshaping of rudder and new fins. Other vessels in the yard include the *Puffin,* another landing craft being overhauled to gillnetter; the seiner *Caroline,* recaulked; the *Avalon,* refastening hull; the *Hanna,* damage repair forward on hull and new house; gillnetter *Baby Lou* for a new cabin; *Rosalie* for cleanup after sinking, new sternpost, horn timber and rebuilding engine; *Providence* for minor repairs; *Lemes* for hull paint; and *Yellowstone* being converted from seiner to troller.

● *Marine Sales & Equipment,* Bellingham—Jules Peterson reports expanded marine fuel sales at his new Mobilgas dock and sale of three Chrysler Royal V-8's, 155 hp., to John, Paul and Robert Glenovich for repowering their seine skiffs.

● *Wrang Shipyards* in Bellingham is doing a complete repair job on Gus Brandt's gillnetter - troller *Helen D.,* and is building two 30' hulls with gillnetter layout. About 30 vessels are in the yard for repairs of one kind or another.

● *Northwest Boat Works,* Everett, Washington — The *Dolores IV* was among vessels on the ways at this yard, for installation of a 4-cylinder Ford diesel from Pacific Fishing & Trading Co., Seattle. The engine is equipped with 2½-to-1 Capitol reduction gear and is to turn a new 24" by 16" propeller. Bert Schelde of Marysville, owner of this 31' gillnetter, is installing a 100-fathom Ross Fisherman depth finder. Other vessels in the yard included Bob Carlson's 31' gillnetter *Sally,* remodeling the stern, and Harold Jones' 45' *Tacora,* a troller getting new tallow-wood stem, new Alaska cedar bulwarks, rebuilt bow and house. A new GM 3-71 diesel is being installed.

● *Fishermen's Boat Shop* at Everett had almost 20 vessels in the yard at this writing, and Carl Anderson reports repair jobs on the following: Eigel Hansen's *Recovery,* a halibuter in for repairs and recaulking; Capt. Sig Brevik's *Pierce* in for a new stem on this troller; Jim Leese's seiner *Polarland* for extensive repairs; the seiner *Locks,* Jack Repanich, in for recaulking; Paul Martinis' seiner *Dreamland* in for storage and repairs; Pete Berg's seiner *Orea,* repairs; Ragnar Neergaard's *Alaskan,* in for a complete rebuild and refrigeration for tuna operation; and Harold Heibert's *Lois Ann,* for installation of a new stern. Other vessels included the troller and tuna boat *Alaska,* seiner *Husky,* gillnetters *Antoinette K., Teresa,* and *Sea Jay.*

Congress Honors Phister

The Congress of the United States paid tribute last month to the late Montgomery Phister, formerly vice-president of Van Camp Sea Food Co., who died last Christmas Day in Long Beach, Calif.

By request of Congressman Cecil King of San Pedro, Calif., the Congressional Record will carry a speech of homage to Mr. Phister. Included in the congressman's eulogy will be a copy of a resolution passed unanimously by the California State Legislature which called attention to Mr. Phister's "great contributions to his Government, his industry and his fellow-men."

"Control Predators and Give the Salmon A Fair Chance; They'll Come Back"

● Predator control would go a long way toward reversing the decline of salmon runs in areas threatened with depletion, in the view of William A. Larson, an Everett, Wash., gillnetter, who writes *Pacific Fisherman* to urge a vigorous and intelligent approach to the predator problem.

Here's his letter:

"I read with interest every copy of *Pacific Fisherman's News,* but not one line do I find where anyone thinks about what the predators do to our salmon.

"I am a gillnetter and quite observant of what is going on. I have cut open silver hake to see what they feed on, and have found as many as nine 4" herring freshly stowed in a stomach. Now what do you think happens when young Sockeyes land among millions of these predators?

"Is it any wonder the salmon are disappearing?

"And what about the seals? How many millions of mature fish do they destroy?

"I have had as many as 54 Sockeye heads left in my net in two hours fishing time; and who knows how many more were destroyed?

"I think if we got rid of our predators the salmon would be plentiful and we could enjoy a rich harvest, but we must not pollute the waters of our rivers and harbors as we are doing now.

"I say: Give the salmon a fair chance and they will come back in abundance."

Ralph Marsh Establishes Oriental Shrimp Cannery

Ralph W. Marsh, well known in the Pacific Coast fish industry and for some time connected with M. S. Cowen Co., San Francisco seafood importers and distributors, has returned from a six months trip to South India.

In South India Mr. Marsh helped develop a shrimp industry with Indian capital, labor and management.

With Mr. Marsh's help and advice a most modern shrimp cannery has been built at Cochin, South India – Indo-Marine Agencies. The cannery is well ventilated, air conditioned, screened, and from the sanitary viewpoint one of the most modern canneries in the world, according to Mr. Marsh.

The cannery has one line, with a production of about 600 cases of 5-oz. cans per day. The plant employs 400 people.

All cannery equipment was built in India, and all cans, labels, and other materials are manufactured in that country.

Shrimps are packed under the "Bay Pride" label—an M. S. Cowen brand, and that firm is exclusive sales agent.

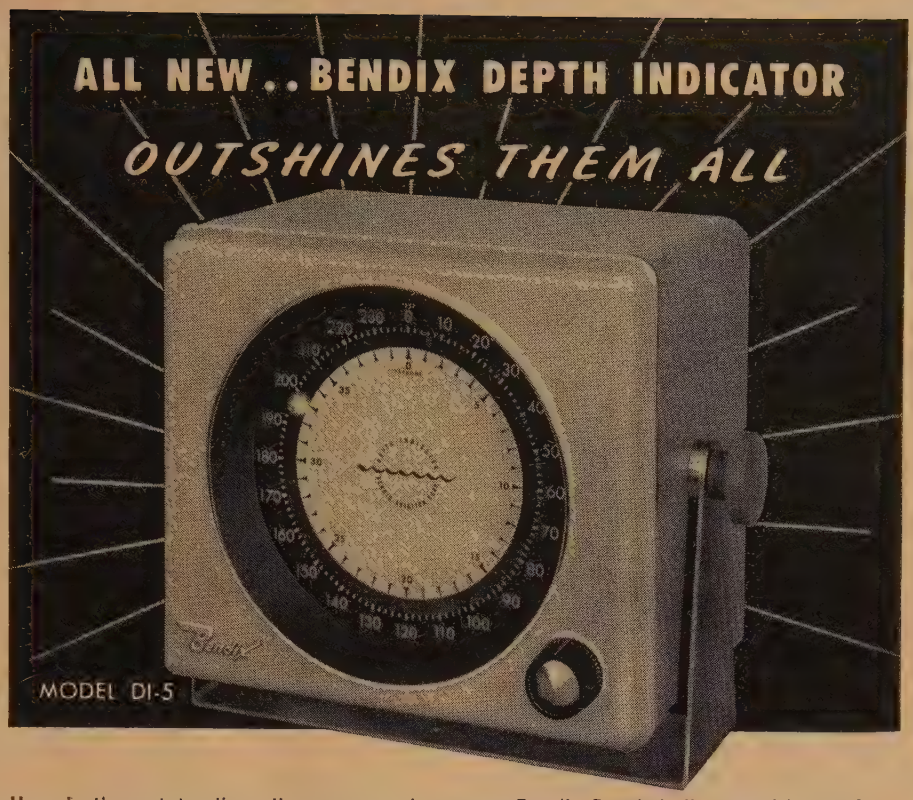
The company is also building a freezing plant, using British and American machinery, that will have a storage capacity of about 100 tons. The frozen pack will be exported in the standard 5-lb. cartons.

"Because of its interest in the export trade and increased employment for its citizens the Indian government in cooperation with various international agencies has a program for building boats and exploiting the fisheries of the Arabian sea and Indian ocean," said Mr. Marsh. "At the present time all methods of fishing are used—from primitive dugouts, with fishermen casting nets, to modern draggers. However, there is a definite trend toward mechanization of the fishery."

"Shrimp are found in the rivers, back waters, and ocean of the region, and are brought in to the cannery iced; in pick-up boats. The season is all year 'round.

"Beside shrimp, frozen lobsters are being produced. Shrimping is an old, old industry in India, with the catch being dried, and this dried shrimp industry is still, of course, of the most importance. Sizes of shrimps caught range from the largest to the smallest.

"The quality of the pack of Indo-Marine Agencies has been pronounced outstanding," said Mr. Marsh.



Here is the outstanding all new general purpose Bendix Depth Indicator with 240 feet-40 fathom range for both shallow and deep water soundings. It's all new from the high-style weatherproof aluminum case to the high performance engineered into the compact units. Completely self-contained with transmitter-receiver, power supply and scanning mechanism built into the case. And only Bendix gives you all these features for '59.

BRIGHTEST LIGHT
Sharp, clean indication, even in the sunlight, on the big recessed 5½" dial.

UNIVERSAL MOUNTING
for overhead, shelf or bulkhead installation.

E-X-T-E-N-D-E-D RANGE
Extra built-in power permits depth indication far in excess of indicated range.

PLUG-IN CABLES
for both power supply and transducer make installation almost instantaneous.

TRANSISTORIZED
for longer trouble-free service and lower power drain.

LOWER COST
You never pay more for Bendix performance, so don't gamble with less.

CHOICE OF TRANSDUCERS
Integral or separate stuffing tube types for best performance irrespective of hull design.

DIMENSIONS
8" W x 7 1/32" H x 5¾" D

See this outstanding buy at your Bendix dealer now.

FOR THE NEW AGE IN MARINE ELECTRONICS

INSIST ON THESE BETTER Bendix PRODUCTS

DEPTH SOUNDERS, RADAR, RADIO-TELEPHONES and DIRECTION FINDERS

Bendix-Pacific
DIVISION OF BENDIX AVIATION CORPORATION
NORTH HOLLYWOOD, CALIFORNIA

Sampling Sardines—J. M. Mardesich, president of Franco-Italian Packing Co., second from the right, introduces some of the firm's new aluminum-canned sardine fillets in barbecue sauce. Next to Mr. Mardesich in the center is Henry Abts of Franco-Italian. Other, left and right, are Robert Carson and Maury Pigott, both American Can Co.

Formal Send-Off for Aluminum Sardine Pack

Franco-Italian Packing Co. of Terminal Island, Calif., gave a formal send-off to its new aluminum pack of sardine fillets in barbecue sauce last month at a luncheon in Los Angeles.

Host was J. M. Mardesich, president of Franco-Italian, assisted by Henry Abts, vice-president, sales. Chief guests were home economists of Southern California, press representatives, and regional executives of American Can Co.

The new pack, Mr. Mardesich explained, consists of specially selected fish, filleted with the bones removed, and packed in a special smoky barbecue sauce. The product is marketed under Franco-Italian's *Sea Boy* brand.

Advantages of the aluminum can were said to be lighter weight, greater corrosion resistance, and easier opening.

Canadian Law Proposed To Keep Fraser Free

Federal legislation to prevent construction of hydro-electric power dams on the Fraser River is being sought by Albert de B. McPhillips, member of the Canadian House of Commons, representing Victoria, B. C.

"The bill is designed to protect the navigation and salmon fishery of the Fraser River," said Mr. McPhillips in proposing the bill at Ottawa. "It would prohibit the erection not only of power dams, but weirs and other obstructions."

Mr. McPhillips added that the proposed legislation would not apply to any federal undertaking respecting navigation, flood control, current control or the protection and development of the Pacific salmon fishery.

As the dams being planned on the upper reaches of the Fraser by the B. C. government are only for flood control they would presumably be exempt from the legislation Mr. McPhillips is sponsoring.

...six hundred and eighty-seven million shrimp later
...the rope is acting like it's brand new. Why? First because it's Roebling. Second, because it is built to haul and haul and haul under the toughest conditions that you can name (and, no doubt about it, you can name 'em). And, all the time it works for you, it stands up to corrosion without a whimper.
We say this about shrimp rope just as easily as we say it about trawling and purse seine rope. They all come under the heading of Roebling Special Galvanized Fishing Rope, and everything we say about it is true. Your distributor will show you and so will we: Wire Rope Division, John A. Roebling's Sons Corporation, Trenton 2, New Jersey.
ROEBLING
Branch Offices in Principal Cities
Subsidiary of The Colorado Fuel and Iron Corporation
Buy from the guy who eats your fish

"World Headquarters" of the Van Camp Sea Food Co. are opened at Long Beach, Calif., from which the far-reaching affairs of this tuna packing enterprise are now directed.

Van Camp's New "World Headquarters" Dedicated

• Van Camp Sea Food Co. staff went to work for the first time in a modern new building February 9 when the company occupied its new world headquarters on Pier A, Long Beach, Calif.

The new Van Camp building is an ultra-modern structure of aluminum, porcelain, glass and concrete covering nearly 22,400 sq. ft. in the lower floor, plus a partial upper floor covering slightly over 14,000 square feet. It occupies a site of several acres, allowing ample parking areas for employees and visitors.

The most modern construction and materials are used in the new building. The large glass area, covering large sections of wall, are a special sandwich type of pane containing tiny metal louvres which deflect the sun's rays and prevent glare while admitting maximum daylight. All ceilings are acoustic tile.

The entire building is air-conditioned. Built by the Long Beach Harbor Department to Van Camp's requirements, it is occupied by the packing firm on a long-term lease. The location is a key spot in Long Beach's massive harbor expansion project.

In the new building will be all of Van Camp's executive and office personnel except timekeeping and other office functions directly involved in the operation of the cannery, which remain on Terminal Island with the cannery itself. Among the many features provided in the new building for employees' benefit are a complete cafeteria and a patio for rest and relaxation.

The building was designed by Kenneth Wing, FAIA, and built by Ruane Corp. of San Gabriel, Calif., contractors. The cost was announced as over half a million dollars.

The inauguration of the building was marked by appropriate ceremonies, filmed for later TV broadcasting. The festivities began when a helicopter provided by the TV station news service landed on the parking lot bearing a live mermaid, escorted by TV-man Art Linkletter.

The mermaid was carried (not being used to walking on dry land) to a jumbo facsimile of a Van Camp tuna can. Seated on the proper spot on the label, on a little shelf provided for her, she was photographed for TV and press.

A red carpet had been provided for her pathway, but a helicopter's propeller blast blew it into the street, whence it had to be restored before the mermaid could properly approach her throne.

Following the mermaid's antics, a golden key to the front door was presented to Gilbert C. Van Camp Sr., chairman of the board of the packing firm, by Joseph F. Bishop, chairman of the Long Beach Harbor Commission, in the presence of Mayor Raymond C. Kealer of Long Beach

In the years Van Camp Sea Food Co has maintained offices on Terminal Island, tuna canning has risen from an experimental-scale operation to an important world industry, with international ramifications that every year grow wider and more serious. Van Camp's own business is now a world operation, with markets in many nations and plants in Samoa and the Caribbean, as well as in California.

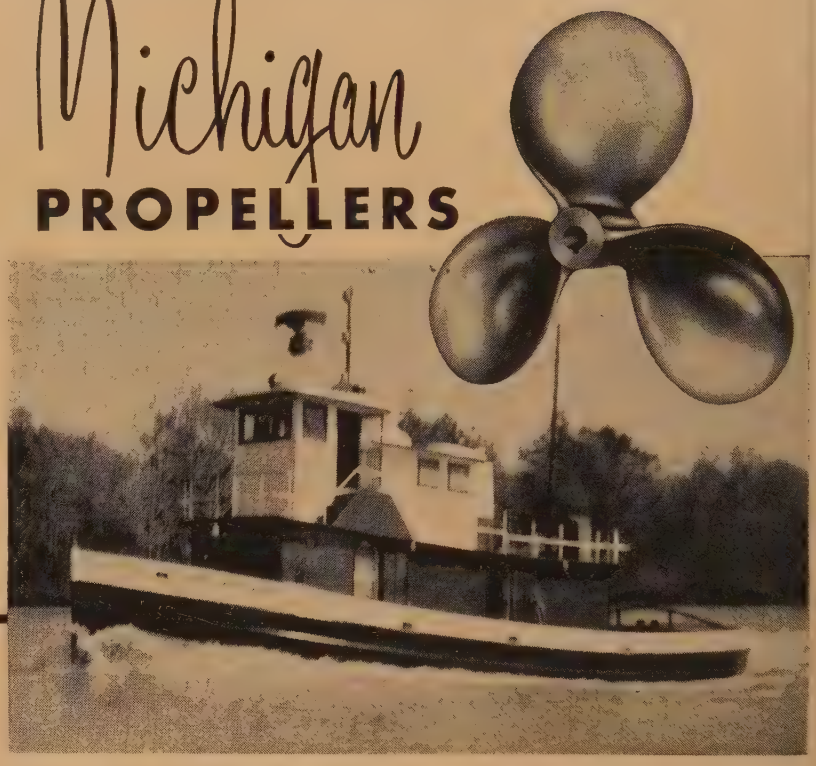
Briefing the Boss—Gilbert C. Van Camp, head of the company founded by his father, is briefed by a TV script man on the right; while Joseph F. Bishop, left, chairman of the Long Beach Harbor Department, and Gene Stokes, Van Camp advertising manager, listened intently.

Because of its Rugged Service

CAPT. MARIE'S OWNERS CHOSE—

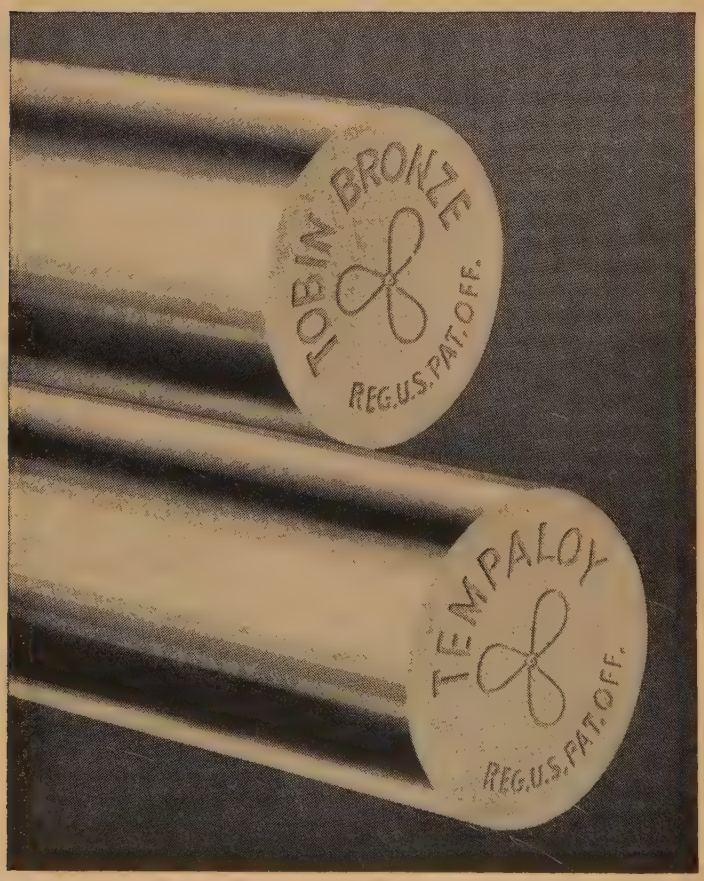
Michigan PROPELLERS

"For the sort of work the 'CAPT. MARIE' is doing, working off shore around the rigs, and beating back up the river, she needs rugged strength in her propellers, along with that smoothness of blade that means real power", says its skipper. That's one reason she is equipped with 54/40 MICHIGAN PROPELLERS. Another is the wonderful MICHALLOY metal of which these wheels are cast . . . stronger than stainless steel, easy to repair without annealing, tremendously resistant to corrosion and doesn't pit even though the vessel lies idle for long periods. Join the parade of owners who are switching to MICHIGAN because it means you get so much more for your propeller dollars in both performance and length of service. The line contains all standard sizes through 72" diameters in designs to practically custom fit your power and hull. Write for catalog. Expert propeller recommendation may be had without cost.



MICHIGAN WHEEL CO.
GRAND RAPIDS 2, MICHIGAN

SHAFTING THAT GETS YOU THERE—AND BACK



TOBIN BRONZE® Shafting has proved itself through its performance on thousands and thousands of pleasure boats, fishing and other commercial craft. It is this record of dependability that has made it first choice of boatbuilders and boatowners.

TEMPALOY® -917, nickel-aluminum bronze shafting, was developed by The American Brass Company for uses requiring extra-high strength. Repowering with higher horsepower engines often means replacing original shafting, too. Tempaloy usually provides the needed extra strength with no increase in shaft diameter—saving costly alteration of bearing, stuffing box and housing assemblies. Features: toughness and high yield strength—high resistance to shock—excellent corrosion resistance—lighter weight—special straightening—close diameter tolerances—individually wrapped and trade-marked—reasonably priced.

Both Tobin Bronze and Tempaloy propeller shafts are available through leading marine supply distributors. For detailed information, see your distributor or write: The American Brass Company, Ansonia Division, Ansonia, Conn. District Sales Offices: Los Angeles, Calif., at 14900 Garfield Ave., Paramount—San Francisco 4, Calif., at 120 Montgomery St.—Seattle 1, Wash., at 1311 Tower Bldg. 5988PF

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PROPELLER SHAFTING
MARINE BRASS AND BRONZE
EVERDUR® FOR FASTENINGS AND FITTINGS
Products made by The American Brass Company

FOOD FISH MARKETING

News and Views of National Trade in Fish and Shellfish

Section of PACIFIC FISHERMAN — March, 1959

700 CARLOADS OF PUGET SOUND SALMON, miniature in size, are part of the unique direct mailing Puget Sound Fabricators, Inc., Seattle, steel products manufacturers, are making to business prospects, friends and customers throughout the country. In advance of the gift, Puget Sound Fabricators President Gordon B. Anderson writes that the firm is sending a tangible sample of Puget Sound products in the form of a "carload" of fancy Sockeye salmon from Puget Sound. Each miniature box car carton contains two specially labeled ½ lb. can of fancy Sockeye salmon packed by the Sebastian-Stuart Fish Company, Anacortes.

Spring Salmon Sales Lively As a Lively Spring Salmon

● Sales of salmon going deep into Lent maintained a brisk pace which indicated something more than the Lenten spurt.

Perhaps it was in part the result of the spring promotion campaign—

Perhaps it steered in some degree from a realization that limited supplies had been subjected to severe withdrawals, leaving less than usual—

Perhaps some portion of the buyer willingness to buy could be traced to the certainty that the 1959 American pack would be short.

● Alaska Red talls were reported by brokers to be available only in advertised brands at premium price. Halves, what few there were, were priced at $21, only a buck below Puget Sockeyes.

Medium Red talls were being substituted for tall Reds to a degree which was eliminating the visible supply rapidly.

Tall pinks were available, but not cheap, and no doubt due to rise a dollar almost any day. Some sellers already had advanced.

● Chums were where the cagey buyer hanging around for some late spring sales got fooled.

The longest holders were still quoting $17 toward the end of February, with a March 10 deadline; but those with fewer Chums for sale had them on the $18 shelf.

Japanese imports were beginning to pick up some of the business, particularly in Pink halves and Chum talls, although the latter goods are said to be priced pretty high by the time they are ready for delivery to the American buyer.

Seattle Market

Market prices currently quoted at presstime by Pacific Northwest brokers and cannery sales department, cases of 48 tins, unless otherwise specified, good quality, as reported by the U. S. Bureau of Commercial Fisheries, Market News Service.

Items and Packages	Per Case
Puget Sound	
Sockeye, halves	$22 -23
Sockeye, quarters	12.50-13
Alaska	
Red, talls	33 -35
Red, halves	22 -23
Pink, talls	21 -23
Pink, halves	13 -14
Coho, talls	27 -28
Coho, halves	15.50-16.50
Chum, summer, tall	17 18
Chum, fall, tall	16 -16.50
Chum, summer, halves	10.50-11.50
Chum, fall, halves	10
Chum, 4-lbs. (12)	18
Chinook, talls	29 -30
Columbia River	
Blueback, halves	23
Blueback, quarters	12.75-14.50
Chinook, fancy, halves	25 -26
Chinook, fancy, quarters	13.75-14.50
Chinook, choice, halves	17 -17.50
Chinook, choice, quarters	10 -10.50
Silver, halves	17 -17.50
Silver, quarters	10 -10.50
Tuna, Northwest Pack—	
Albacore, fcy., 7 oz.	14.50-15
Yellowfin, chunk, 6½ oz.	10 -10.75
Tuna, Featured Pack—	
Albacore, fcy., 7 oz.	15.25-16.10
Albacore, fcy., 3½ oz.	9.15- 9.50
Albacore, chunk, 6½ oz.	11.00-13.25
Albacore, chunk, 3 oz.	7.25- 8.00
Lightmeat, fcy., 7 oz.	14.25
Lightmeat, fcy., 3½ oz.	8.55
Lightmeat, chunk, 6½ oz.	12.50
Lightmeat, chunk, 3 oz.	7.50
Canned Crab—	
Dungeness, 24, 6½ oz.	11.50
King, 48, 7½ oz., fcy.	29
King, 24, 15 oz., fcy.	26.50
King, 24, 7½ oz., fcy.	14.60
Northwest Shrimp—	
Wet Pack, 24, 6½ oz.	8

Seafood Club of Chicago was organized recently as a social club with a platform for promoting better distribution of fish and seafoods, and a wider knowledge and acceptance of all kinds of foods from the sea, streams and lakes. Here are the first slate of officers; with Arthur H. Frohman of L. H. Frohman & Sons seated in the middle. Others, from the left: Wilson O. Smithers, Booth Fisheries Corporation, vice president; Robert Slavik, Morley Sales Co., secretary; Norbert J. Thoma, Slade, Gorton Co., treasurer; Vernon A. Burhop, Albert E. Burhop, Inc., vice president.

Japanese Tuna Industry Cuts Lightmeat Price

Sharp reduction in both canned and frozen lightmeat tuna was decided upon by the Japanese interests in these fields.

The Japan Export Frozen Tuna Manufacturers Association and the Japan Frozen Food Exporters Association reduced the price of Yellowfin tuna to $220 per ton fob. Japan for fish from 20 to 80 lbs. weight; to $210 per tons of fish 80 to 100 lbs.; and to $190 for fish above 100 lbs.

At the end of January the Japanese tuna exporters acceded to the recommendations of the trading company branches in New York and reduced the price of lightmeat tuna in brine by 50¢ per case for each size category to $7.30 for 7-oz.; $6.70 for 13-oz. and $7.80 for 2-kilo.

Shatz Is Club Director

Lionel Shatz, secretary-treasurer, A. Paladini, Inc., San Francisco wholesale fish dealers, was elected to the board of directors of the San Francisco Commercial Club last month.

Floor Price For Bonito Is Prescribed by Peru

● Striving for stability in its bonito canning industry, Peru has authorized the National Fisheries Society to establish a floor price for export sales of canned bonito for export, and to enforce it by a system of export licenses requiring approval of the society.

This action was taken as result of damaging price competition last fall among Peruvian bonito packers, which resulted in severe price reductions.

Conditions were generally satisfactory otherwise for the Peruvian fishery industry during the fourth quarter of 1958. So many boats were engaged in catching anchoveta to satisfy the needs of the profitable fish-meal industry that canneries were occasionally unable to purchase sufficient supplies of bonito. There was an abundance of tuna for purse seiners and shipments of frozen tuna increased during the fourth quarter.

Fish-meal producers stated that fourth quarter prices varied from $130 to $152 a metric ton according to protein content. Total exports for 1958 are estimated at 115,000 tons. Although the fishing industry claims that its catch of auchoveta is insignificant as compared to the consumption by the guano birds, agricultural interests and the Guano Corporation persuaded the Government to further restrict anchoveta fishing in bird-feeding areas.

During the first nine months of 1958 exports principal marine products increased sharply to 99,711 metric tons from the 64,557 tons exported in the same period of 1957. During January-September 1958, exports of fish-meal (76,716 tons) were about double the 38,396 tons exported in the same period of 1957. During the same period of 1958 exports of canned bonito (8,941 tons) declined about 32.8 percent.

Cannery Row Properties Co., Monterey, has moved into larger and handsome offices at 710 Cannery Row.

ROBERT L. STIX, INC.
CANNED and FROZEN FISH
North American Office
For Leading Shippers
Box 278, Bronxville, N.Y. Tel: DEerfield 7-6322
1807 E. Olympic Blvd., L.A. 21 Tel: MAdison 7-1686

Quality
Pink Salmon
KELLEY-CLARKE CO.
2460 6th Ave. S.
Seattle 4, Washington

U. S. Sardines Undersold In Philippine Market

Key to the trouble experienced by California sardines this year in getting back into the favorable market they formerly enjoyed in the Philippines is plainly one of price, according to official U. S. market reports.

Results of surveys in retail stores in the Philippines shows in the following table:

Type	*U.S.*	*Japan*
	U.S.¢	*U.S.¢*
1-lb. ovals, tomato	32.5	22.5
1-lb. tall, tomato	22.5	20.0
1-lb. tall, natural	25.0	
8-oz. oblong, tomato	22.5	17.5
8-oz. buffet, tomato	22.5	17.5
5-oz. tomato sauce	12.5	10.0

In general, South African sardines appear to be priced slightly higher than those from Japan, but in all cases both of these products are available below the quotations for California-packed sardines of comparable character.

The official U. S. report on this sardine market situation sums it up thus:

"Unless the price of California sardines is made competitive or Philippine living standards rise to the point where the difference of five centavos on a can of sardines is of no importance to the mass of consumers, the American share of the local canned sardine market will continue to decline. The doubling of tariffs on United States imports beginning January 1, 1959, is likely to accelerate this trend."

It's a Deal
James DeSilva, (right), South Coast Fisheries, Inc., president, has reason to be happy. He is accepting signed contract from Kenneth J. Berglund, for purchase of his company's $1,000,000 tuna plant at Terminal Island. Mr. Berglund is president of the new west coast firm, American Tuna Canning, Inc., who bought the South Coast plant, and began operating it March 1.

Seeman Bros. Options Francis Leggett Co.

Possible merger of two of New York City's leading wholesale grocers handling canned salmon is foreseen in the announcement early in February that Seeman Brothers, Inc., had taken a 90-day option to buy a controlling stock interest in Francis H. Leggett Co.; and that there was "every expectation" that it would be exercised.

Seeman Brothers' "White Rose" and Leggett's "Premier" are among the leading private brands in the New York metropolitan area.

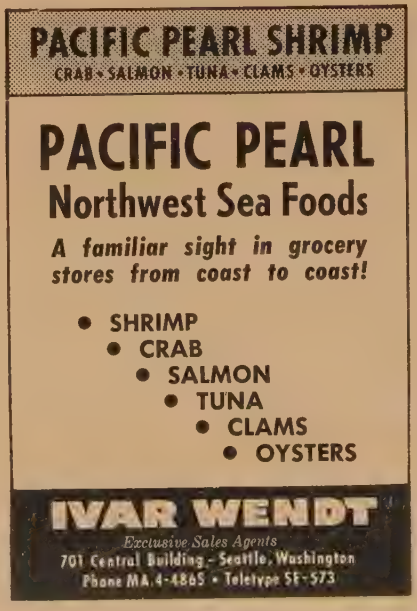
Jos. Tarantino Heads S. F. Fishermen's Wharfers

Joseph C. Tarantino, president, Bell Smoked Fish Co., San Francisco, was elected president of the Fishermen's Wharf Merchants Association. Mr. Tarantino was also elected treasurer of the Columbus Savings & Loan Association.

Nichiro's Amemiya Studies Salmon and Tuna Markets

Yeizo Amemiya, chief of the Nichiro Gyogyo K.K. branch operations at Kurihama, near the entrance to Tokyo Bay, in February left Japan for a visit to the United States to study the tuna and salmon marketing situation.

After spending some time in market examination, Mr. Amemiya continues to Europe for further contacts.



Supers Give Super-Push To Tuna in Lenten Advs.

● As Lent turned housewives' attention to fish, supermarket managements featured tuna heavily in their ads; yet the promotion of fish and seafood for this fish-conscious period was spotty. In San Pedro it was hard to pick up a paper without being made aware of the merits of canned tuna. In San Diego newspapers the enthusiasm was noticeably less, while Los Angeles supermarkets seemed to be making less of a fuss over fish and seafood at this time than they do on many occasions outside the Lenten period.

A budget-minded housewife with plenty of gasoline in the tank of her car could buy tuna for as little as 21c a No. ½ can for minor brand or private brand tuna. On the other hand, major brand tuna was featured in big type in some ads at 29c per No. ½ can.

In between, major brands sold for 28c, four for $1, 25c and 23c (in one Los Angeles market ad). Minor brands were offered at four for $1, four for 99c, four for 95c, and 21c a can, all for No. ½ cans.

Along with canned tuna, supermarket ads featured tuna specialties such as tuna pies, tuna-and-noodles, etc. Fresh and frozen fish were featured heavily, but not very widely. In other words, the housewife could buy fresh or frozen fish at a bargain if she was willing to go where the bargains were. They were not everywhere.

Soft Market

In view of this situation at the retail level, it was easy to see why sales managers of tuna canneries were complaining of a soft market in spite of there being no heavy oversupply. One sales manager went further than to call the market soft, he called it mushy.

In contrast with tuna, there was little push being put behind canned sardines as a Lenten special. Advertising of sardines was hard to find, and market displays and demonstrations did not appear.

At this writing, Lent still has more than half its term to go, and sardines may yet play a bigger part in fish merchandising between now and Easter.

For over 65 years...

Bumble Bee has upheld and extended the reputation of the seafood canning industry by processing and marketing products of the finest quality.

In this way, Bumble Bee's matchless standards help to insure the growth of our own business, the welfare of our employees, and a constantly expanding market for the catch of the fishermen.

Columbia River Packers Assn., Inc.
Astoria, Oregon

Tuna, Salmon, King Crab Meat, Frozen Seafoods, Seafood Delicacies

Pacific Oyster Growers Inspect Japanese Seed

Lee J. Wiegardt, president, and Earl Brenner, vice president, of Pacific Coast Oyster Growers Association left the Pacific Northwest early in February, Mr. Wiegardt a few days in advance, for Japan to inspect the seed oysters purchased by the association on account of its members.

The two oystermen will make their headquarters in Sendai and Shiogama, centers of the Japanese seed oyster business.

Interestingly, a large part of the seed oysters for Japanese growing areas are produced on Matsushima Bay, on which Shiogama is located; and are shipped from there to other growing areas, where oyster production actually may be much larger than in the area where the seed are produced.

The Inland Sea waters in the neighborhood of Hiroshima yield the largest part of the Japanese pack. Singularly, the seed-producing conditions which make Miyagi Prefecture, when Sendai and Matsushima are located, best for seed yield a slow-growing oyster which does not fatten as well as the oysters grown from Miyagi seed in other areas.

Jack O. Daly, for five years a member of the sales staff of the Columbia River Packers Association, Inc., became advertising manager early in 1959. In making the announcement, **T. F. Sandoz,** president, pointed out that Mr. Daly has a three-generation family background in the salmon business in Alaska and on the Columbia River.

They Add Up To A Lot of Sales!

Oceanic

SALES COMPANY
3302 SMITH TOWER
SEATTLE 4, WASH

Fish Divoteer's Spring Tournament April 3

Walter Johnson of the Halibut Producers Co-Operative, Seattle, new president of The Fish Divoteers, has announced that the organization's 21st annual spring golf tournament will be held Friday, April 3, at the Rainier Golf & Country Club in Seattle. The fall tourney will be played on the same course September 25.

Mr. Johnson also announced the appointment of the following committees for 1959:

Sponsors Committee — George Golden, Food Brokers, Inc., chairman; Dave Craig, Sebastian-Stuart Fish Co., and Al Algyer, Washington Fish & Oyster Co.

Entertainment — Larry Carlander, Puget Sound Freight Lines, chairman; Ted Jones, Gaylord Container Corporation, and Jim O'Connor, Great Northern Raillway Co.

Tournament — Glen Wicker, Green Bay & Western Railroad, chairman; George Skarich, Colorado Fuel & Iron Corporation; Leif Edje, Vita Food Products, Inc.; C. F. "Budge" Sargent, American Can Co., and Alf Larsen, Vendayssel Packing Company, Inc.

Handicap—Harry Backman, Marsh & McLennan-Cosgrove & Co., and Bob Ennis, North Pacific Seafoods.

Membership—Ralph Syversen, San Juan Fishing & Packing Co., chairman; Randall Beard, New England Fish Co., and Bill Frankland, Kelley-Clarke Company.

Publicity — Don Venables, chairman; Carlton Hillyard, Pacific Fisherman.

Other 1959 officers are Walter P. Shiel, Jr., Walter P. Shiel & Co., vice president; C. E. "Bud" Moore, Whitney & Co., secretary, and Ken Williams, Dehn & Co., treasurer.

Tani Succeeds Hiratsuka As President of Nichiro

Late this winter Tsunejiro Hiratsuka, long a leading figure in Japan's fishing industry, advanced to the position of Chairman of the Board of Nichiro Gyogyo K.K.; and Shuji Tani, his son-in-law, succeeded him as president.

Mr. Tani has been a vice president of Nichor for a number of years, and moved to company headquarters in Tokyo about a dozen years ago after a distinguished career in the company's important Hakodate branch office.

First 1959 Salmon Fishing Yield Low

First salmon fishing of 1959 was that which opened on the Columbia River February 15.

The catch was light in comparison with former openings, and subsequent deliveries indicated that the active spring run of Chinooks had not developed to presstime.

The few early fish being taken were commanding 50 to 60¢ per lb., to the fishermen.

2nd Frank Alioto Joins Standard Fisheries

Frank Alioto, former office manager of Harbor Fisheries, Fishermen's Wharf, San Francisco, is now in the sales department of Standard Fisheries, Inc. Frank was with Standard for many years before joining Harbor Fisheries when it started business some years ago. He is no relation to Frank Alioto, who is president of Standard Fisheries, Inc.

"fresh-caught flavor"
frozen fresh
HALIBUT
AND
SALMON
portion controlled steaks
Complete line of
FROZEN FRESH SEAFOODS

More plants than ever before* now process shrimp with Peelers Company Machines**

*51 plants from Alaska to Florida

**The Peelers Co. specializes in shrimp peelers, deveiners, and graders.

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THE PEELERS CO.
619 S. Peters St. • New Orleans, La.
Write, wire, or phone

It's Good Fishing

...with Pauls®

"LOCKNOT" SALMON GILL NETTING

This gill netting has no rival with its unique reputation for profitable salmon fishing and long-lasting service. Available in both nylon and linen, it is precision made, scientifically right . . . manufactured in keeping with standards that are a reason why the use of Pauls Netting has been a tradition handed down from father to son through generations of fishermen. Other products include:

PAULS NETTING:

Double Knot Salmon Gill Netting (linen or nylon)
Nylon Single Knot Salmon Gill Netting
Cotton Netting — Nylon Seine Netting
Dyak Netting — Nyak Netting
Knox's Knotless Nylon Netting

PAULS SEINE TWINES:

Salmon Mending Twine in Nylon or Linen
Cotton Seine Twine — Nylon Seine Twine
Dyak Seine Twine — Nyak Seine Twine

PAULS COTTON ROPE • ARK PLASTIC FLOATS
NETSET NET PRESERVATIVE

FREE ARK FLOAT—
Test this amazing plastic float without charge. Send or bring a copy of this ad with your name and address to:

PACIFIC COAST REPRESENTATIVES

NORDBY SUPPLY CO.
Salmon Bay Terminal, Seattle 99, Wash.

OLSEN JOHNS SHIP CHANDLERS
36 Tuna Lane ("G" St. Pier), San Diego 1, Calif.

ALFRED PUUSTI & CO.
238-240 West Marine Drive, Astoria, Ore.

NORTHILL ANCHOR

DIGS FAST...HOLDS FAST...BREAKS OUT EASY

Scientifically designed for boats up to 80 feet. Lightweight...3 to 105 lbs., easy to handle and stow. Most popular and dependable anchor for 20 years!

THE GARRETT CORPORATION

AIR CRUISERS DIVISION
BELMAR, NEW JERSEY

Coming soon —PICTURE HISTORY
of the Old Days of Cod, Salmon, Halibut from Columbia River to Bristol Bay

by Ralph W. Andrews and A. K. Larssen

Rare old pictures and salty tales take you back to rough seas, to old friends, ships and places.

Over 250 Big Photos

Indian Customs • Gill-netting Under Sail • Horse and Beach Seining • Early Salteries and Canneries • Whaling • Sealing

A book that will be talked about. Reserve some for executive gifts.

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Marketing Act's Stimulus

Sought by California Fish Industry

• California's fresh and frozen fish industry took a long step forward toward bigger sales and greater prosperity last month when it sought a state marketing act for fresh and frozen fish of the state legislature in session in Sacramento.

The proposed new law, titled The California Fish and Seafood Advisory Board Law, would enable the industry to organize itself through an Advisory Board and conduct an industry-wide campaign of education and promotion to stimulate greater consumption of fish and seafood.

The marketing act is the result of months of work by industry leaders North and South, and has been discussed in many industry meetings.

Industry's Own Effort

● The marketing act would enable the industry in California to organize itself through a 21-man Advisory Board for the purpose of appropriating and raising money and conducting a well-planned, co-ordinated campaign to increase the use of fish by housewives.

Through the Board, the industry would assess itself to meet the costs of an adequate effort, would appoint advertising counsel and in general would manage the carrying out of a first-class, professional promotional effort, the year round.

More than a score of other industries in the state, including poultry, potatoes, cling peaches, bushberries and others, are now promoting the sale of their commodities through similar marketing acts.

The industry's activities under the marketing act would officially be directed by an official of the State—probably under the State Department of Agriculture, although marketing acts are directed by several state departments.

This official would appoint the Advisory Board members and alternates, whose names would be submitted by industry members themselves. He would also officially direct the activities of the Advisory Board, usually by approving the Board's recommendations.

The Advisory Board, according to the Act itself, would be appointed with regard to the various segments of the industry and to the geography of the state. In other words, there would be a fair division of powers among the various sections of California, and among the various levels of the industry.

Market Board's Duties

● Under the act, the Advisory Board is required to meet at least twice a year. The Board also appoints an executive committee of seven members, who must meet at least four times a year to carry out the mandates of the Board.

Assessments on industry members and firms, to raise needed funds, will be set by the Advisory Board. The aim is to lay a very small percentage assessment on all fresh and frozen fish and seafood sold in the state, making the individual assessment painless, but collecting an adequate amount on a broad base.

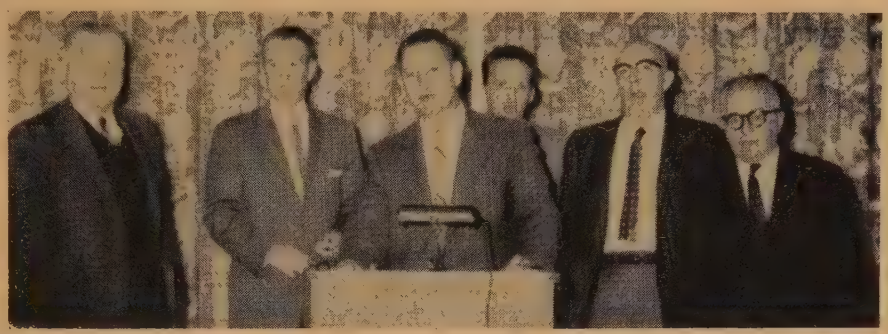
Canned and retorted fish and seafood are specifically excepted from the provisions of the act.

● The marketing act, as submitted to the Legislature, was finally whipped into shape by the industry itself, gathering in two meetings in San Francisco February 10 and in Los Angeles February 14.

With the help of its own attorneys and of W. J. Kuhrt, chief of the Division of Marketing, California State Department of Agriculture, the finishing touches were put on the language of the act in an all-day meeting in Los Angeles.

The meeting was called and conducted by the California Fisheries Council, a body formed some months ago by the common efforts of the Northern California Seafood Institute, the Southern California Fisheries Assn., and the San Pedro Seafood Institute. Ray Lemoi of Los Angeles, president of the statewide body, conducted the meeting.

About 60 industry leaders attended, including Lloyd Turnacliff, president, and Lionel Shatz, vice-president of the Northern group; A. R. Lantz, president, and Bart Ghio, secretary of the Southern Association; Sam DeLuca, president of the Southern California district, NFI; John Gilchrist, secretary of the Northern California institute; Howard Miller, attorney for the San Pedro association; and James M. Radnich, attorney for the Northern group. Mr. Ghio is also secretary of the California Fisheries Council.



Leaders at the Los Angeles meeting which decided upon a state marketing act for California fresh and frozen fish: Left to right, W. J. Kuhrt, chief, division of marketing, California Department of Agriculture; John Gilchrist, secretary of the Northern California Seafood Institute; Ray Lemoi, president, California Fisheries Council; Howard Miller, attorney, San Pedro Seafood Institute; Lloyd Turnacliff, president, Northern California Seafood Institute; and Bart Ghio, secretary, California Fisheries Institute and Southern California Fisheries Assn.

Southern California Domestic Tuna Deliveries

Cumulative totals for 1959 through Feb. 14, in tons, as reported by U. S. Market News Service

	Albacore	Bluefin	Skipjack	Yellowfin	Bonito, etc.	Total
Clippers and Albacore Fleet	...	...	6,036	6,041	3	12,080
Purse Seiners	...	88	381	559	109	1,137
Total 1959 through Feb. 14	...	88	6,417	6,600	112	13,217
Total 1958	4	41	6,916	7,382	51	14,394
Total 1957	205	104	8,285	7,610	24	16,228

FAMILY DESIGN — in Seafood Packaging, plus — FORWARD THINKING

● Family Design on brilliant packages of a complete line of fish and seafoods with wide variety of species in sticks, steaks and fillets, and in a range of sizes to best fit any meal plan—then help her to easily identify your package—and you'll keep her coming back for more.

That is the food packaging philosophy behind the Bluewater Seafoods Division of Fishery Products of Cleveland, Ohio, new line of Frozen Seafoods.

Marathon, a Division of American Can Company, Menasha, Wisconsin, worked very closely with Robert Gruber, president of Blue Water, and treasurer of American Seafood Distributors Association, on redesigning the entire line of rotogravure-printed Glamakote overwraps. Every possible bit of information relative to modern packaging was employed. Bob Gruber's years of experience with packaging, merchandising and distributing fresh and frozen seafoods was made available to Marathon's creative artists. Marathon also used its extensive library of hidden camera shopper films to develop key design elements that shoppers are known to look for in a package. Personal interviews with thousands of shoppers all across the land have given Marathon a comprehensive picture of what necessary and vital information shoppers require on a package.

After six months of study and creative artistry, they produced the entire Blue Water line—rotogravure printed Glamakote overwraps for 16 varieties of frozen seafoods.

The entire line follows the same identical motif—a soft yellow cross-hatched background which fades with vignette-effect as it approaches the pictorials. This gives the pictorials a third dimension look and makes them stand out. Brand name, product identity, price mark and other information all follow consistently throughout the line.

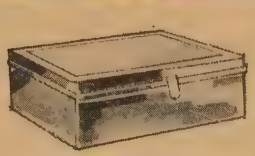
The Blue Water trademark appears strongly in exactly the same spot. In each group of sizes within the line, product identification is uniform. All of the species—haddock, sole, flounder, ocean perch and cod, are easily identifiable. Family-size packages are further indicated by a solid bar, with copy, running horizontally across the main panels.

Filets of haddock, perch and cod are offered in the 2¼ pound family size, all boned and ready to cook. These 2¼ pound items contain three separately wrapped sections.

Filets of cod, haddock and sole are also packed in a 14 ounce size family

CANS FOR INDUSTRY

STERN
a good CAN name
since 1901


STERN FILLET CAN

1 GALLON CLAM AND OYSTER

STERN CAN COMPANY, INC.
71 LOCUST ST., BOSTON 25, MASSACHUSETTS
5437 SO. MASSASOIT AVE., CHICAGO 30, ILL.

FISH PROCESSORS ATTENTION:
A NEW organization ready to supply you with fish or to help you operate on Bristol Bay! A good source of fish for rapid transit to processing plants in other areas if you wish.
Our organization represents 100% of the fishermen at Ugashik; 80% at Egegik and 85% at Naknek-Kvichak.

We are ready to work for you!

Wire or Write
BRISTOL BAY
FISH PRODUCERS ASS'N
KOKHANOK BAY, ALASKA

Ten Years Service to the Citizens Utilities Company, owners of the Ketchikan Cold Storage Co., were marked in this ceremony when Richard L. Rosenthal, right, president of the Citizens Utilities, presented James Pinkerton, manager of the Ketchikan operation, with a 10-year service pin on the anniversary of his start with the company. Mr. Pinkerton, in addition to managing the cold storage plant, is active in community activities and serves on the advisory board to the Alaska Fish and Game Commission. He is a director of the National Fisheries Institute.

package—each with six uniform servings, boned, portioned, breaded and ready to fry.

Fish sticks are available in two 14 ounce packages — one breaded and golden fried, needing only preheating before serving— the other breaded but ready to fry. There are 16 sticks in each package. An interesting concept employed in these two packages is that identification copy and the family-size bar on the heat 'n eat package are printed in red—on the ready to fry package, they are printed in blue. This is an added feature designed to aid the housewife in recognition of the difference between the two items.

Haddock steaks are also available in a 14 ounce package. This is a heat 'n eat item, too, with red copy on identity bar on the main panel.

One pound filet units are packed for flounder, cod, sole, ocean perch and haddock.

Uniformity of Design Elements

The entire Blue Water line has achieved good results here. Price mark and weight and/or count boxes are in the same location on every package. The housewife can spot many key points in an instant on any of the packages—even in mass display. Brand names, species, breading, preparation instructions, sticks, steaks, filets, count, weight, even whether the unit is packed in Canada or the United States. U.S.D.I. shields appear on some packages, "Product of Canada" appears in the logo on others.

Pictorials assist the shopper, too. She sees golden brown appetizing pieces of fish on a silver platter—but more than that—she sees pictorials of either filets, sticks or steaks.

Add to the beauty of each and every package the gloss and glamour of Marathon Glamakote, and a mass display of Blue Water packages becomes truly a shopper-stopper.

French Fried Ocean Perch filets are packed in a 10 ounce package which instead of a pictorial, has a window, so the product itself is pictured. The overwrap is printed double cellophane.

The entire Blue Water line of overwraps and cartons were designed and manufactured by Marathon, a Division of American Can Company.

Crab Fishermen Win 2c Boost in Price

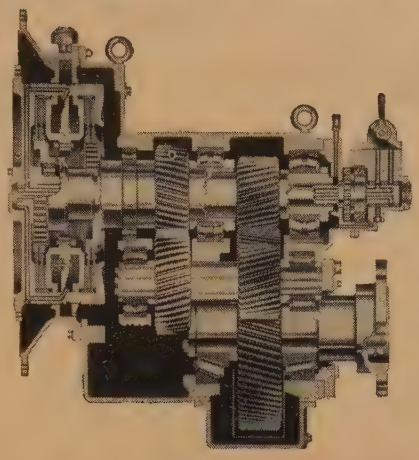
Swinging their new unity like a gaffhook, the Washington Crab Fishermen's Association jerked a 14c price for crabs, ocean-run, into the boat the middle of February. This was a 2c rise over the previous price.

The buyers didn't like it but, in the face of active consumer demand, short canned production, and a season-end dimly appearing through the weather ahead, they met the demand without the formality of a shut-down.

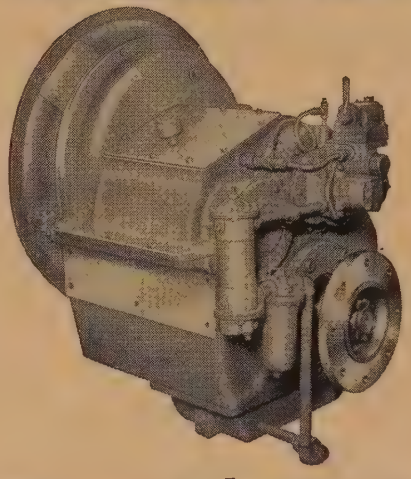
This poked the price for canned crab up a shade, Ivar Wendt, introducer of the 3¾ oz. tin, announcing increase in the price per case of 24 cans to $7.60, with the thought that buyers, if they chose, could still market the item as a 39c seller.

Crab fishing generally has been poor along the coasts of Washington, Oregon and Northern California. Alaska abundance is not as yet defined. High prices and short supply in the early fishing areas will throw special emphasis on the later seasonal activities in the north.

It's how and what's inside



that makes them



the world's finest MARINE GEARS

Carburized, hardened and ground helical gearing, straddle mounted on heavy-duty anti-friction bearings and alloy steel shafts guarantee dependable, efficient, economical power transmission. Full speed and power transmitted continuously in forward and reverse. For more about the coolest, shortest, simplest gears see your S-N distributor or write The Snow-Nabstedt Gear Corporation, Hamden, Connecticut.

S-N 3900

YOUR BEST BUY IN DEPENDABLE GEARS

SNOW-NABSTEDT

Transmission Engineers

FOR OVER HALF A CENTURY

HEAT
MAKES YOUR BOAT GO!

Yes, heat turns your engine and that's why it's important to know a bit about engines and fuel.

	*Heat units per gal	**Cost per gal	Cost per 100,000 BTU
Typical marine premium gasoline	123,250	20.4	16.6¢
Kerosene (Premium #1 Diesel)	139,360	16	11.5¢
#2 Diesel fuel	141,160	14	10 ¢

When you buy fuel you are buying BTU's, and from this you can see that premium gas costs 6.6¢ more per 100,000 BTU and that if your diesel has a fancy appetite requiring Kerosene (Premium or #1 diesel) your fuel bill will be up 11½%.

A diesel has much higher compression than your gasoline engine (perhaps 18:1 compared with 7:1). This creates much greater efficiency—and if your diesel is happy with real diesel fuel, you have the ultimate. Remember, with a diesel you not only greatly increase the safety factor aboard your boat but you can also extend your cruising range by 50% while still using your present tanks!

With her D315 Cat Turbo, ANGELINA went to LaPaz the other day (about 1000 nautical miles on 500 gallons of #2 diesel) and when I tanked up in San Diego, the fuel man had an interesting twist "Understand these Cat Engines won't run on Premium #1 Diesel" (kerosene). Of course, Caterpillar Engines are fully guaranteed on anything from kerosene to crude oil, but apparently some engine competitors aren't too happy about Cat efficiency and economy.

If you need 150 "gasoline horsepower" or more—Let our engineers tell you the Cat Turbo story.

Dan Palmiter **Los Angeles** **Raymond 3-7191**
Bill Poole

Rod Bangham **San Diego** **Belmont 9-9471**

** Tax refund deducted, but many owners lose part of this. Assume 400 gal tank capacity.
* Called "British Thermal Units"—or "BTU's".

Cat & Caterpillar are registered trademarks of Caterpillar Tractor Co.

SHEPHERD
MARINE

East Los Angeles:
3400 South San Gabriel River Parkway
RAymond 3-7191—OX 2-3751

San Diego:
2031 East Belt St.
BElmont 9-9471

CARRON'S "MOBY DICK"
NETTING
For Huge PROFITS—Bigger HAULS—
NYLON—COTTON—NYVIS
For Seines—Trawls—Traps—Etc.
Secure at your DISTRIBUTOR or DIRECT
Prompt Deliveries—Reasonable Prices
Mfgr's. Fine Netting Quarter Century
THE CARRON NET COMPANY
Two Rivers, Wis.

Be on guard with
CHANNELGARD

Maintain continuous listening watch on 2182 kc. Calling and Distress Channel even with your R/T tuned to another channel. Fits any R/T.

See it at your dealer or write for free folder.

SESCO, INC.
Friday Harbor, Washington

IN CHICAGO BUYERS "Phone FROHMAN for Fish!"
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COMPLETE TRADE COVERAGE	50 YEARS OF SALES PROMOTION AND MARKETING EXPERIENCE	NATIONALLY RECOGNIZED HIGH STANDARDS OF SERVICE	SPECIALISTS IN BRAND BUILDING
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Short-Sighted Radar Aids In-Shore Fishing

Appropriately termed their "near sighted radar," Bendix Marine is now in production of the new Model MR-3S short range radar that "sees" as close as 60'. Similar in appearance to their long range Model MR-3A radar, of which many hundreds have been installed by fishing vessels, the new unit has a maximum range of 10 miles, and intermediate range scales of 5, 2, 1 and ½ miles with presentation on a 10-inch aluminized tube. Designed primarily for close-in coastal usage in fishing, and for harbor and river navigation, the new Bendix radar can be used under zero-zero fog conditions because of its minimum range of less than 60'.

Power consumption of the Bendix radar is less than 500 watts of 110 volt 60 cycle current, which makes practical its use on small boats with limited battery or generator capacity. Recent installations have been made on vessels of 32' length.

Advertising Specialist Joins Western Waxide Sales Staff

The appointment of Donald T. Snapp as assistant sales promotion and advertising manager of Crown Zellerbach's Western-Waxide Division was made this week by Robert L. Appling, director of sales for the division. Mr. Snapp joins Crown Zellerbach with over 10 years' experience in the advertising agency field, the last three in San Francisco. In his new position, he will be responsible for the development of all sales promotion, advertising and merchandising materials, working with the division advertising manager, Warren E. Townsend.

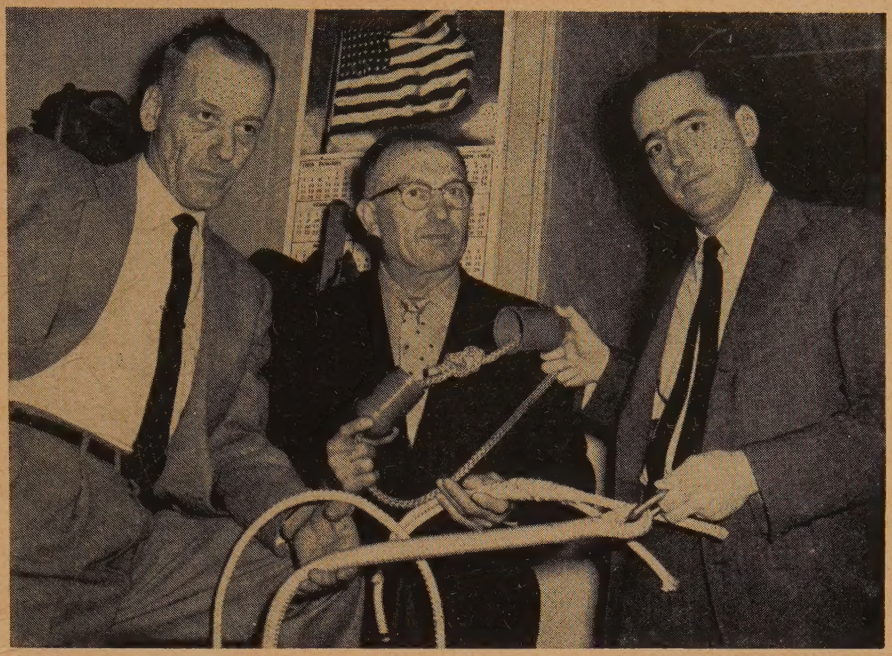
RCA Produces Small Recording "Fish Finder" for Fishermen

• A recorder-type "fish-finder" of remarkably small size, designed specifically for commercial fishing vessels of the smaller types, is being introduced this spring by Radio Corporation of America.

This remarkable instrument weighs only 22 pounds and measures 10 by-8 by-7" The device can be connected to any 6-, 12- or 32-v. d.-c. power source.

In addition to the ability to locate schools of fish, the device serves as a navigation aid in showing depth, bottom detail, shoals and other underwater details.

The transmitted electrical impulse is converted to a high-frequency sound wave and this is reflected off the bottom or other underwater objects. The reflected echo is received by the unit's transducer and reconverted to an electrical impulse, which in turn is recorded on a dry-type paper roll mounted in the fish finder's cabinet.



Braided Nylon Lines manufactured in its Bellingham plant by Samson Cordage Co. were displayed here by three of the men most concerned with distributing these remarkable lines for commercial fishing gear to Pacific fishermen. In the middle is **John Mratinich,** a veteran purse seiner and net expert, working direct with the fishermen. On the right is **C. P. Jones,** sales manager in the Samson headquarters in Boston; and with them on the left is **Robert Lewis,** Seattle, the Samson sales representative in the Pacific Northwest. Th big line is a nylon purse line with the link eye beautifully machine-spliced.

Samson Cordage Featuring Pacific Braided Fish Net Lines

Stressing flexibility, strength and performance, the Pacific Braiding Division of the Samson Cordage Corporation is now marketing braided rope for cork line, purse line, lead line and also braided twine.

The new braided lines, available in natural or synthetic fibers, have shown remarkable resistance to the usual problems confronting purse seiners or gillnetters regarding abrasion, rot and normal wear.

Samson Cordage Corporation has purchased the facilities of the Pacific Braiding Company in Bellingham, Wash., and is presently expanding the capacity of the Bellingham plant.

C. P. Jones, sales manager of the marine division of Samson Cordage, has appointed Robert Lewis as Pacific Coast representative for the company.

An important member of the staff is John Mratinich, long time fisherman and well known in the purse seine fleet, who will be in close touch with the Puget Sound fishing fleet. Mr. Mratinich has fished with many of the high liners in Alaska as well as Puget Sound and has a long experience as a fisherman to make him a well informed expert on the use of the braided line.

One of the features of the Samson Braided Line is that it is available in a number of lays to suit the needs of any particular fishery.

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Bigger profits through STANDARD fish processing plants! STANDARD'S low temperature drying system assures more meal and higher protein. No scorching, no burning. Low moisture, low acid oil. Fish meal and oil plants . . . and fish cannery installations throughout the world.
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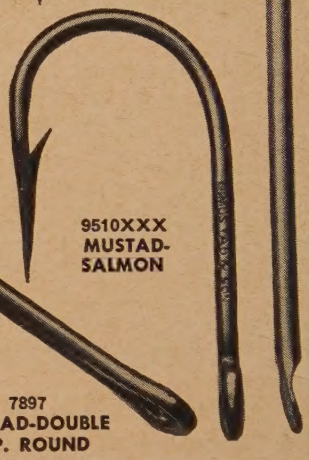

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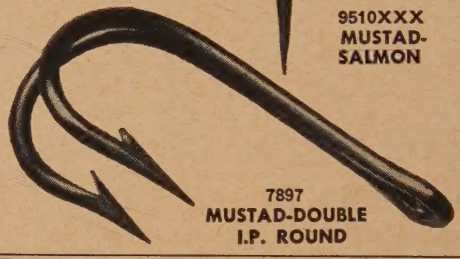

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Marco's engineers are consulting with private companies in many foreign countries to improve the efficiency of fishing vessels, methods and gear.

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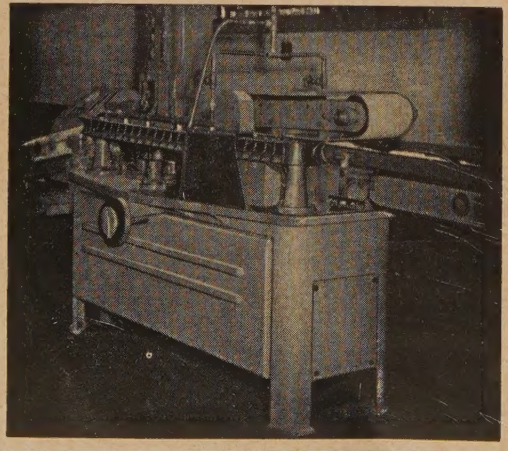

The PAK-SHAPER

PREFERRED BY LEADING TUNA CANNERS!

Introduction of the PAK-SHAPER in 1949 developed in tuna canning a greater mechanization than had come about in 30 years of previous growth. Subsequent experience has proved its value to the industry. A large percentage of major tuna operators now employ the PAK-SHAPER.

The PAK-FORMER, designed exclusively for Chunk and Grated Style Pack, is now available to the tuna industry under similar terms as the PAK-SHAPER.

For Complete Information Write to

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P. O. Box 1322, Warrenton, Oregon

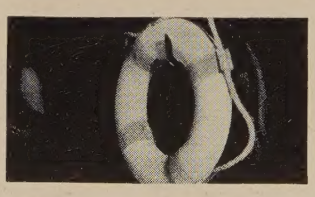
For the long haul . . . B. F. Goodrich seine floats

Nothing fishes so long or so well as B. F. Goodrich seine floats. Made of miracle PVC, they are lightweight and permanently buoyant. In a typical purse-seine operation, 2200 B. F. Goodrich floats replaced 3500 cork floats. Figure this on your nets and you can see what a difference there'll be in handling. Plus the fact that B. F. Goodrich floats *never* waterlog to create extra weight in the water.

Add, too, that B. F. Goodrich plastic seine floats need no maintenance, do resist marine growth, oil, gasoline and salt water.

So ask your supplier now before endless maintenance and replacements start. B. F. Goodrich floats come in 17 sizes ranging from 3″ x 1½″ to 6″ x 14″.

Made under Pat. No. 2,737,503



Now available! B. F. Goodrich ring life buoys for fishing boats. U.S. Coast Guard approved and accepted by commercial lines, these rings have all the advantages of the floats.

For more information write The B. F. Goodrich Company, 545 Derby Place, Shelton, Connecticut.

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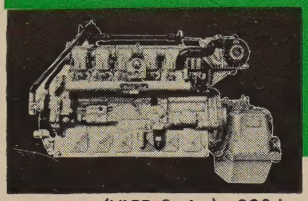
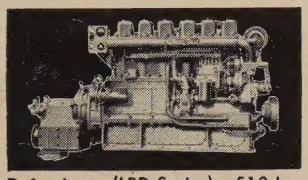
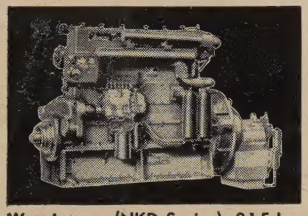


Reliance (VLRD Series) 990 hp



Defender (LRD Series) 510 hp



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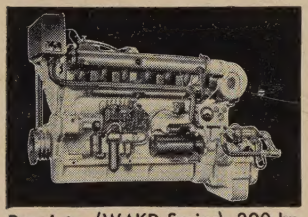

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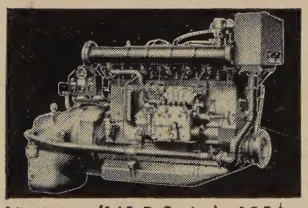

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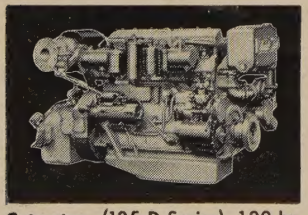
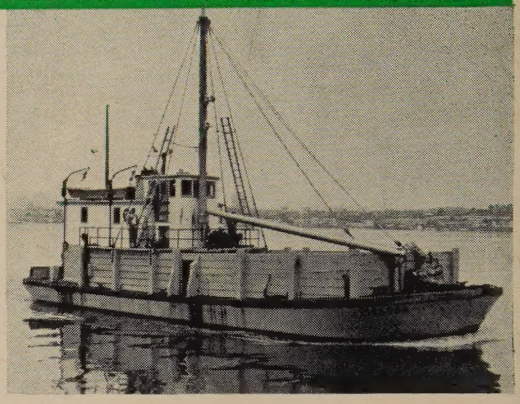
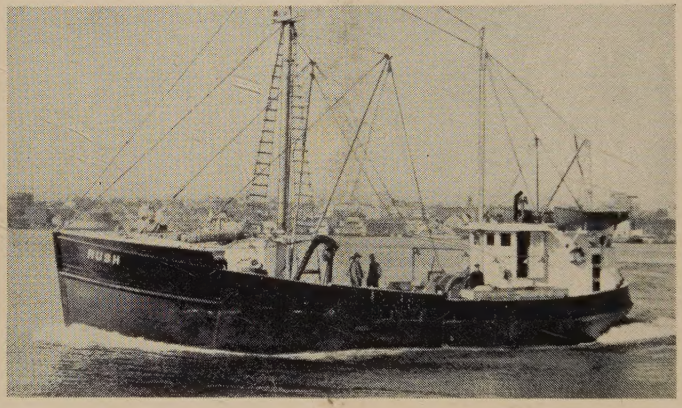


Cutwater (135-D Series) 120 hp

CAPTAIN DEEBOLD — 65-ft. dragger. Powered by Waukesha "RESOLUTE." Installation by Hathaway Machinery Co., Inc., Fairhaven, Mass.



VIEKODA — 72-ft. twin screw tender. Powered by two Waukesha "VIGILANTS." Installation by Piston Service, Inc., Seattle, Wash.

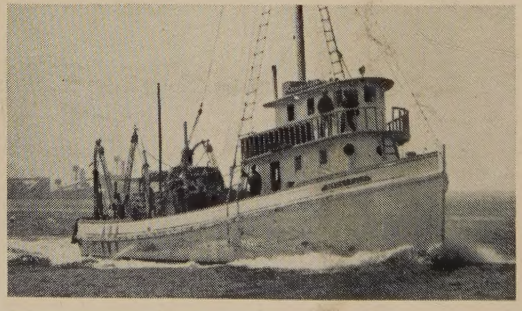


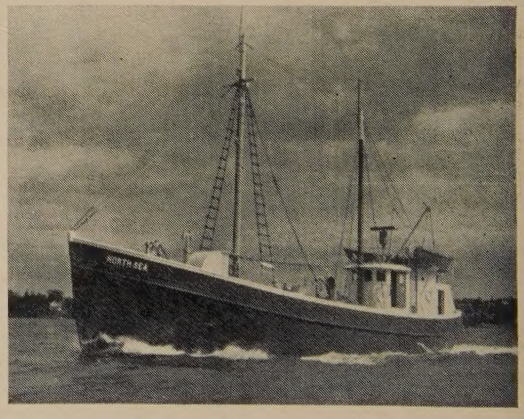
RUSH — 73-ft. dragger. Powered by Waukesha "DEFENDER." Installation by Hathaway Machinery Co., Inc., Fairhaven, Mass.

NORTH SEA — 72-ft. dragger. Powered by Waukesha turbocharged "RESOLUTE." Installation by Hathaway Machinery Co., Inc., Fairhaven, Mass.

411

BENSON H. RIGGIN — 91-ft. Menhaden seiner. Powered by Waukesha "DEFENDER." Installation by Quinn Fisheries, Port Arthur, Texas.





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Engine Model	Engine Type	No. Cyls.	Bore and Stroke	Displ. Cu. In.	MAXIMUM RATING 24-Hour Duty
RELIANCE	Normal	12	8½ x 8½	5788	665 horsepower @ 1215 rpm
	Turbo	12	8½ x 8½	5788	990 horsepower @ 1215 rpm
DEFENDER	Normal	6	8½ x 8½	2894	335 horsepower @ 1215 rpm
	Turbo	6	8½ x 8½	2894	510 horsepower @ 1215 rpm
WANDERER	Normal	6	7 x 8¼	1905	240 horsepower @ 1215 rpm
	Turbo	6	7 x 8¼	1905	315 horsepower @ 1215 rpm
RESOLUTE	Normal	6	6¼ x 6½	1197	195 horsepower @ 1600 rpm
	Turbo	6	6¼ x 6½	1197	290 horsepower @ 1600 rpm
VIGILANT	Normal	6	5¼ x 6	779	150 horsepower @ 1800 rpm
	Turbo	6	5¼ x 6	779	195 horsepower @ 1800 rpm
CUTWATER	Normal	6	4¼ x 5	426	100 horsepower @ 2000 rpm
	Turbo	6	4¼ x 5	426	120 horsepower @ 2000 rpm